

|     |       |       |       |       |       |       |       |       |    |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 6   | 27364 | 92836 | 89428 | 61298 | 71282 | 36198 | 32764 | 31277 |    |
| 86  | 48932 | 78987 | 32123 | 49817 | 26346 | 81287 | 65491 | 87364 | 8  |
| 721 | 75654 | 55656 | 12737 | 72727 | 72727 | 91918 | 63473 | 67867 | 7  |
| 723 | 87629 | 37677 | 32612 | 53498 | 71296 | 28756 | 18276 | 98716 | 87 |
| 269 | 76329 | 74698 | 76857 | 98670 | 27601 | 56701 | 57601 | 73648 | 1  |
| 1   | 87364 | 87265 | 96710 | 27630 | 12673 | 84769 | 28743 | 98127 | 2  |
| 8   | 63298 | 75698 | 27465 | 87326 | 49876 | 28376 | 81273 | 98615 |    |
| 7   | 87432 | 74328 | 78674 | 29867 | 32867 | 67867 | 86786 | 43286 | 80 |
| 17  | 68768 | 68763 | 34234 | 34238 | 68768 | 62342 | 48273 | 48768 | 2  |
| 26  | 98432 | 32432 | 86743 | 43286 | 43286 | 43286 | 43286 | 43286 | 40 |
| 43  | 86743 | 86743 | 39867 | 32867 | 86743 | 43286 | 43286 | 43243 | 86 |
| 1   | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 | 2  |
| 99  | 98798 | 98754 | 98754 | 98754 | 98754 | 29867 | 67543 | 67986 | 8  |
| 10  | 87698 | 69876 | 87698 | 69876 | 87612 | 12341 | 34867 | 86798 | 6  |
|     | 43298 | 65656 | 56756 | 56123 | 32143 | 14321 | 32143 | 14321 | 30 |
|     | 58765 | 58765 | 76587 | 58765 | 76587 | 58765 | 76587 | 58756 | 20 |

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

### Edition #246, March 2018

Editor: Ary Boender email: [udxf@udxf.nl](mailto:udxf@udxf.nl)  
Numbers & Oddities [www.numbersoddities.nl](http://www.numbersoddities.nl)

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.



## FOREWORD

Russian intelligence's annual March exercise took place this month. During a couple of days many F01, F06, F06a, XPA2, E06, E06a, S06, and S06b were heard. We received the following logs. See the various columns for transcripts.

Thanks to all contributors; without you N&O wouldn't exist. Let's not forget to thank our friends and colleagues at Priyom and Enigma for maintaining the monthly schedules. Great work gentlemen!

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## VOICE STATIONS

### E06

**16230 kHz, 15-03/16-03, 0600 UTC**

**19325 kHz, 15-03, 0700 UTC**

864 127 53

27864 79306 94915 97561 25183 99207 33484 48725 84585 88918  
94671 63434 30011 15588 26402 17421 93692 88199 87730 51633  
83770 39427 76861 06295 22327 59538 19427 56024 89764 62039  
15453 38425 36465 85743 68451 93305 47686 62952 45089 54743  
72596 08442 38844 63161 53428 08931 36121 89617 15654 17731  
08233 89480 05136  
127 53 00000

**5184 kHz, 15-03, 2030 UTC**

891 134 57

69834 91020 28974 71856 74832 89648 73282 64825 48142 73848  
36457 38491 82713 43143 65689 28756 42351 73145 32424 67857  
83273 56425 34245 23246 76879 87435 28184 61547 93671 75364  
72825 34732 53426 47589 73647 58326 15264 37485 63542 43557  
64536 47586 67453 45684 65783 74859 82736 47382 74651 27631  
72361 74827 36452 35263 72813 26743 84732  
134 57 00000

**5197 kHz, 16-03, 2130 UTC**

634 134 57

69834 91020 28974 71856 74832 89648 73282 64825 48142 73848  
36457 38491 82713 43143 65689 28756 42351 73145 32424 67857  
83273 56425 34245 23246 76879 87435 28184 61547 93671 75364  
72825 34732 53426 47589 73647 58326 15264 37485 63542 43557  
64536 47586 67453 45684 65783 74859 82736 47382 74651 27631  
72361 74827 36452 35263 72813 26743 84732  
134 57 00000

### Exercise transcript

**7755 kHz, 13-03, 1400 UTC**

**9235 kHz, 14-03, 1300 UTC / 7755 kHz, 14-03, 1400 UTC**

192 673 40

51649 64565 46136 10308 48396 01406 41537 62946 75731 45324  
57391 31530 54360 89367 19438 45102 78730 42080 03250 98129  
19587 04357 85294 64810 87542 91426 32748 64584 23034 05131  
67593 97435 47518 21760 46729 57674 03908 49282 21710 02123  
673 40 00000

### Exercise transcripts

#### 5879 kHz, 14-03, 0130 UTC / 4923 kHz, 14-03, 0230 UTC

759 801 36  
18162 86253 81347 10616 04708 94902 04261 48745 13581 30651  
36903 51323 97543 15863 51673 17459 38130 72186 53094 25028  
13738 04863 29473 94059 26836 83529 30178 31490 64245 82049  
49637 73058 68404 31638 45180 10715  
801 36 00000

### Exercise transcripts

#### 12202 kHz, 13-03, 1430 UTC

#### 12202 kHz, 14-03, 1430 UTC / 8022 kHz, 14-03, 1530 UTC

158 204 87  
28054 90824 15984 73707 24064 19892 72407 50579 60810 57186  
40639 80515 13147 61434 24919 17135 43938 28909 23053 78259  
47646 40960 62525 04702 28057 03173 81639 30926 41734 64653  
50947 03824 07126 71484 85125 83075 05759 91834 60693 79793  
38326 16094 05186 50538 23091 96871 95142 62151 64934 85472  
03632 74572 67618 70926 30961 39402 16309 23684 46468 73467  
16457 09378 78919 51613 57205 02748 60348 76175 95304 30529  
96053 57324 04575 39286 16251 59875 23128 82079 84743 68370  
06878 90658 29503 12021 65813 14183 12046  
204 87 00000

### Exercise transcripts

#### 14357 kHz, 13-03, 1650 UTC. S06 ID 480 8116khz mixing with E06, and viceversa

729 806 173  
97245 64586 94619 61083 82137 06862 34102 42839 06761 40252  
65718 59279 21963 26174 14945 69310 07094 93231 57375 85724  
74981 10398 61958 61329 36859 20704 31212 83746 40632 21564  
58647 64743 82130 46197 90208 43714 18717 98281 10962 07298  
18150 14236 06282 02058 73810 02137 42580 14391 45151 58580  
80353 69684 80420 91328 20507 23936 74596 38052 37218 15164  
60327 62508 97650 37678 28249 96495 03149 67378 79027 40626  
93728 51525 60527 23735 93048 27219 63256 02851 14967 56848  
50596 46048 63932 20942 38578 63650 68209 85760 49291 71490  
97527 90807 93515 58432 82457 83043 29394 08927 71702 09074  
53950 32804 15131 42891 95016 82817 90204 19656 70717 35649  
21615 52428 86751 20847 67974 25205 93452 56347 83410 46749  
91048 82859 97027 86149 06243 76749 54924 37107 45145 98701  
97015 61252 36520 81904 57652 81271 89382 90961 83782 96578  
49259 89743 65101 21813 91985 08520 31327 17842 80198 62307  
32865 93495 36364 21719 39858 49494 13969 45952 60\_\_\_ 80980  
29364 47804 73503 07801 49587 35153 18484 10480 70829 72402  
96096 13291 56470

### Exercise transcripts

**10506 kHz, 13-03, 1700 UTC, i.p. with failure mid-message**

337 491 205

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
23070 51837 49246 54205  
83032 03430 37870 05793 48303 89807 02158 64101 89756 97585  
58108 15070 24024 82701 36581 67536 05105 05917 6293? 50231  
18067 34890 36360 90156 24570 69076 70967 19129 71617 09261  
53625 80656 05725 39320 21902 02542 34719 94529 20860 97032  
46764 24769 23290 25920 47571 23689 51942 38018 49792 27380  
52624 48961 24087 06437 74049 28727 94632 60192 60480 10920  
65841 07345 47845 91938 72919 40721 80170 52507 79018 07613  
15272 87651 25841 39424 98904 70751 10894 84243 79650 79176  
61462 68395 81671 46478 81083 68161 36374 38413 89741 68469  
85026 49754 67109 67510 57628 51435 18209 08121 99463 61796  
80914 85150 05024 29126 67963 52048 05348 43753 96862 47089  
74864 08379 07490 73678 79875 97478 14393 27872 43718 35689  
47930 35636 84202 86786 56319 01372 19019 80763 16878 74394  
64240 52087 46982 07649 01869 25152 89705 23728 80414 86303  
10894 78963 20190 90523 20450 81083 75235 80341 26157 83504  
28035 61763 81023 26531 05705 12684 92915 05740 86347 10206  
42695 47476 1\_852 78489 57252

## E06a

### Exercise transcripts

**16080 kHz, 14-03, 1340 UTC / 12109 kHz, 14-03, 1440 UTC**

**16083 kHz, 15-03, 1340 UTC / 12111 kHz, 15-03, 1440 UTC**

346 259 2 11111 00084 259 2

346 927 153

31835 85382 52641 60962 53251 78761 85758 28593 81247 58140  
41795 36410 18186 53490 86806 25949 12029 74164 68082 01536  
51527 57121 98374 71460 98060 97304 51602 72872 50150 26153  
54165 53506 48958 94629 82154 74196 26950 46159 10491 78165  
94696 60179 40313 19579 09737 57869 59625 35310 80524 15232  
49842 01272 73095 25908 03576 08495 94323 26271 20746 95462  
48949 81826 68057 85243 70251 47354 16413 65216 80612 16979  
46742 74608 35420 75320 05916 31270 29523 10365 35857 23064  
19616 30694 03090 89310 90384 45875 05181 83069 01651 81301  
08460 25260 19608 92830 17080 74538 42048 39398 43736 71249  
73596 68328 70708 74674 59249 76280 12579 86932 23932 60589  
18276 76071 74390 96130 45967 92528 95874 08365 61575 85909  
27204 75873 07045 14181 39810 53286 50150 31390 89435 78743  
17801 10606 05982 83484 18468 52780 48106 45810 90792 78507  
58565 28606 64217 26593 25263 98646 48196 46297 62546 98152  
65936 72849 80726  
927 153 00000

**7516/5836/4497 kHz, 01-03, 2110/2130/2150 UTC**

584 584 584 1 6155 73 6155 73  
14946 41914 68966 31610 67591 18923 79647 39092 26660 87594  
63059 04890 43509 77107 12803 31364 91003 46408 68430 33804  
10770 33619 92845 73972 84849 95598 03383 30490 x9556 24190  
540x5 09204 37194 63021 35282 57056 03823 24418 83114 95171  
94721 11472 197xx xxxxx 27664 11322 x56xx 4296x xx452 78436  
87700 60994 14xxx xx814 24756 10337 48338 32270 644x5 xxxx0  
1xxxx 56622 xxxxx 2213x 41710 41008 25937 89267 89117 35279  
39626 67606 51946 000 000

**10651/9151/7651 kHz, 05-03/07-03/12-03/19-03/21-03, 2000/2020/2040 UTC**

616 616 616 1 864 75 864 75  
13436 03344 97790 19997 37444 07359 13627 33581 47019 36816  
55759 70185 04940 76412 16184 37485 60137 00448 64534 02097  
77435 11430 34204 00486 14328 77378 19404 53105 12119 69019  
69276 22281 63649 54990 11169 73264 48470 82662 91914 35914  
50391 26835 15177 99007 18709 04281 57814 97337 74211 16779  
80151 04102 22707 13390 22243 29933 39379 02767 39352 51390  
63434 74036 01203 72254 11257 42123 42967 51249 11106 55491  
42149 75164 42184 63672 53990 000 000

**19118/17418/15918 kHz, 13-03/16-03, 1100/1120/1140 UTC**

149 149 149 1 9730 131 9730 131  
22685 26016 84146 31656 16447 14429 36810 88917 08935 67852  
66387 66093 04413 50423 01734 82918 99861 96422 56332 88272  
74001 50242 06994 25507 65687 41533 77694 72118 71402 60601  
04618 07905 50962 18793 91263 59393 19844 83155 21110 27608  
57816 50144 44674 46247 51705 64679 15514 05538 55045 09491  
42848 10689 76918 39865 41929 04628 42397 82145 86145 91212  
76600 21974 47699 87835 18991 23826 44803 47166 03605 64752  
81861 50992 87985 55053 06325 91120 82457 90458 99800 40744  
09394 50924 73693 06370 85583 27599 45876 13371 32591 27236  
50523 85974 91459 81731 60650 09753 50674 58005 45822 27313  
81818 32758 20015 66033 88322 61490 06238 73877 10414 28677  
60613 02048 69873 87512 94368 71003 64007 67538 88905 76312  
00587 60543 06245 70345 19840 93757 23503 85619 25866 81712  
81417 000 000

**10112/11112/12112 kHz, 24-03/25-03/31-03, 0700/0720/0740 UTC**

111 111 111 1 513 57 513 57  
12959 62837 96047 57368 72122 07669 20448 24891 88376 45112  
83939 14440 21131 50890 41677 01100 49847 32120 97801 44258  
36404 19721 17694 15141 16748 42318 69639 03417 59320 91533  
84379 19675 07924 80692 25255 74182 74278 24758 53256 82761  
14569 02256 36242 75521 33691 88062 57586 52762 88400 94590  
09452 16898 12361 43913 40537 61055 08961 000 000

**13439/12139/10739 kHz, 25-03/28-03, 1800/1820/1840 UTC**

417 417 417 1 5600 150 5600 150

94917 59367 03915 36671 55792 24737 16322 90564 03888 44136  
41569 71989 45861 34735 44460 01282 85241 63452 69996 16531  
70155 17905 67865 88645 62745 81582 46382 50649 19400 56604  
94352 11277 14064 19858 82344 87770 72756 67296 89333 80464  
21107 20575 50034 55289 49884 88203 73542 42937 63790 26313  
22478 67348 50567 74304 06849 33289 71894 69050 52109 90565  
59094 25976 29178 98825 05641 82810 72111 13549 84800 25262  
50050 09413 42235 93653 05698 43839 52549 47752 11446 45092  
66311 60927 16466 31008 59034 12995 45096 37983 33313 83207  
18107 69095 10126 19117 11861 54778 12095 52260 98861 26758  
06899 97450 70856 51956 07111 56419 61024 11259 20787 81258  
46974 42915 26474 53402 66342 33944 17786 99270 41967 27186  
79107 70112 37578 42887 96197 58953 95656 30711 45067 18616  
59126 83940 29428 31451 00999 02184 75844 75620 69802 23124  
90128 95011 09530 17975 92521 69206 59034 54122 78335 15559  
000 000

**1840 UTC:**

417 417 417 1 5600 150 5600 150

94917 59367 03915 36671 55792 24737 16322 90564 03888 44136  
41569 71989 45861 34735 44460 01282 85241 63452 69996 16531  
70155 17905 67865 88645 62745 81582 46382 50649 19400 56604  
94352 11277 14064 19858 82344 87770 72756 67296 89333 80464  
21107 20575 50034 55289 49884 88203 73542 42937 63790 26313  
22478 67348 50567 74304 06849 33289 71894 69050 52109 90565  
59094 25976 29178 98825 05641 82810 72111 13549 84800 25262  
50050 09413 42235 93653 05698 43839 52549 47752 11446 45092  
66311 60927 16466 31008 59034 12995 45096 37983 33313 83207  
18107 69095 10126 19117 11861 54778  
stopped and resumed with group 88: 417 417 417 1  
37983 33313 83207 18107 69095 10126 19117 11861 54778 12095  
52260 98861 26758 06899 97450 70856 51956 07111 56419 61024  
11259 20787 81258 46974 42915 26474 53402 66342 33944 17786  
99270 41967 27186 79107 70112 37578 42887 96197 58953 95656  
30711 45067 18616 59126 83940 29428 31451 00999 02184 75844  
75620 69802 23124 90128 95011 09530 17975 92521 69206 59034  
54122 78335 15559 000 000

**10651/9151/7651 kHz, 26-03/28-03, 2000/2020/2040 UTC**

616 616 616 1 969 43 969 43

87072 40688 98977 47171 40378 02873 86348 22280 17636 30558  
33219 81088 55716 90984 38033 85176 33394 29635 11097 86106  
20676 27637 27246 91104 91250 04872 77449 02479 41817 64861  
78873 40179 33533 54313 72806 95506 78531 92498 14513 02386  
18566 36153 12093 000 000

**7516/5836/4497 kHz, 29-03, 2110/2130/2150 UTC**

584 584 584 1 323 85 323 85

61791 96175 49213 69236 24553 17893 86942 04748 83104 67192  
89977 03592 62815 29606 84676 15043 05714 66033 33868 89009  
94692 48293 52486 23973 64903 17263 33378 46360 00875 98553  
80960 11694 91265 71673 00785 74556 54946 55705 10870 48208  
52424 34975 15026 97364 31310 04912 10925 21173 39479 65005  
13084 28474 70869 38524 10831 70733 72377 95267 26948 81560  
21153 33929 37487 49055 89327 19607 00854 22462 79438 99459  
71841 99389 76473 85031 00643 65195 80052 26927 91850 64152  
04777 28212 32460 08379 66347 000 000

**19118/17418/15918 kHz, 27-03, 1100/1120/1140 UTC**

71120 84456 26095 05001 81658 84945 51874 61429 30551 63597  
47781 77778 05887 36770 65392 40219 59292 78157 93758 74203  
62159 21140 51955 05142 16797 61993 90424 94166 75771 16010  
82411 81814 54840 37644 04737 54715 25762 60129 63362 42149  
61873 93228 84178 55300 97268 05308 72276 43197 54059 56341  
90408 20934 33636 43535 32116 34189 33490 46755 75179 23630  
11194 99118 49437 59812 13676 34691 36370 45404 47535 62857  
18859 54197 64346 75168 23842 26934 47125 36682 80591 98110  
51323 59871 51992 21314 42074 46516 17651 11370 86921 16703  
45554 92329 84625 32286 58003 30218 86101 42001 43685 28642  
22680 08864 69207 31471 91351 82906 43353 53646 73964 85274  
00281 89262 09224 75523 71009 74114 51639 71820 27798 45096  
35356 28965 00052 07498 32711 51354 00105 000 000

**E07a****5877/5277/4577 kHz, 21-03/28-03, 2100/2120/2140 UTC**

825 825 825 1 19491 9601 61 9601 61  
85971 56928 19266 63575 78697 92181 73565 14078 71705 10131  
02022 18660 82321 29722 97809 55948 08176 60669 60211 64901  
20816 60811 64295 09733 70918 73138 28324 81571 06283 01548  
58942 78469 19385 58292 99199 62407 81674 15151 32309 71573  
30745 79206 49647 53759 16718 27093 93474 13971 39907 36982  
53513 67504 05886 05788 75361 59971 54027 09787 43382 37312  
20351 000 000

**6922/8122/9322 kHz, 22-03/29-03, 0530/0550/0610 UTC**

913 913 913 1 19491 9601 61 9601 61  
85971 56928 19266 63575 78697 92181 73565 14078 71705 10131  
02022 18660 82321 29722 97809 55948 08176 60669 60211 64901  
20816 60811 64295 09733 70918 73138 28324 81571 06283 01548  
58942 78469 19385 58292 99199 62407 81674 15151 32309 71573  
30745 79206 49647 53759 16718 27093 93474 13971 39907 36982  
53513 67504 05886 05788 75361 59971 54027 09787 43382 37312  
20351 000 000

**E11a****8102 kHz, 03-03/04-03, 0710 UTC**

496/32 Attention

14387 90989 01491 32884 12880 86302 17563 85201 10553 52894  
46721 90694 73260 50841 37226 14404 27846 47787 77211 73884  
74188 48072 05414 23331 42751 77122 64639 44266 32878 38784  
98764 99311

Attention, (message repeated) , out

**9200 kHz, 03-03/04-03, 0805 UTC**

319/40 Attention

08432 72500 01170 27008 83734 33402 64048 79555 03275 85170  
15037 58543 78913 06667 91007 49868 67082 39256 20992 60993  
61099 44255 70070 95664 07959 62829 63128 58674 66055 33145  
71886 08701 10606 82972 28470 03467 68899 45312 93459 03882

Attention, (message repeated) , out

**12153 kHz, 05-03, 0640 UTC**

944/39 Attention

40395 81591 16495 90162 70795 41652 94023 22839 28325 78205  
65583 42784 23264 69205 40513 92679 27388 07131 91840 84334  
92991 19684 46292 49118 98026 92917 13293 88396 89437 44888  
06641 76223 91826 40559 45476 68739 65818 11986 34365

Attention, (message repeated) , out

**7727 kHz, 06-03/07-03, 1205 UTC**

460/36 Attention

99486 20315 41542 83430 00806 46555 17167 42297 91971 40764  
23147 29644 92901 53948 81922 44500 32547 92329 05001 52683  
79760 67281 70059 55987 77196 77718 71054 82038 84530 21555  
86586 11422 90620 87744 49565 94088

Attention, (message repeated) , out

**12530 kHz, 07-03, 0820 UTC**

130/38 Attention

46044 21440 23436 89154 18274 01640 72397 75576 34167 73647  
26202 29068 47680 45668 49884 48795 20971 57741 84539 90332  
62433 80685 81376 37738 64699 66296 58937 74603 43235 34110  
75987 30692 14276 20900 26398 61312 81004 30620

Attention, (message repeated) , out

**10448 kHz, 07-03, 1625 UTC**

970/37 Attention

05789 22170 66136 28697 81923 97475 84840 56187 84183 67631  
75576 20761 32446 20920 34649 05251 71706 76427 57028 02294  
00538 63312 38803 72283 98065 75000 09835 68819 89909 45263  
69346 91924 22347 36163 69767 06224 81922

Attention, (message repeated) ,out

**10213 kHz, 07-03/10-03, 1705 UTC**

392/40 Attention

70390 50287 74008 74898 72317 07033 36913 63027 74579 13979  
88029 22046 17328 37275 32356 57736 04309 74635 13850 55823  
50347 46387 97373 52307 33332 22246 72889 11695 61294 28509  
63768 42745 08770 40238 78531 13690 26151 94151 03154 80734

Attention, (message repeated) , out

**10800 kHz, 08-03, 0645 UTC**

514/34 Attention

24751 98421 87018 59531 96570 23385 55190 17031 08124 27303  
02788 25089 96860 57779 95008 47239 83088 29014 37006 79367  
56886 94667 72495 63357 95178 83934 64596 94776 94451 88308  
95575 74593 32429 63201

Attention, (message repeated) , out

**6807 kHz, 08-03, 0930 UTC**

273/33 Attention

51041 98407 13991 85102 04904 58003 45675 57462 33695 96397  
80551 44721 91521 25334 16923 06640 95008 22360 86735 31244  
28636 75866 05763 52567 38233 18273 07676 91183 96619 52330  
05415 10257 07993

Attention, (message repeated) , out



**10302 kHz, 08-03/10-03, 1300 UTC**

589/34 Attention

25821 14066 90094 91823 83308 01837 59059 09994 60271 19612  
39822 76541 62397 71217 85067 30430 00977 50694 41605 09410  
37105 27721 47143 66980 48575 28727 21485 74986 95874 49967  
93614 01084 87617 75631

Attention, (message repeated) , out

**7840 kHz, 09-03, 1000 UTC**

302/22 Attention

60995 47362 88796 60959 27178 24211 96674 47822 50738 54171  
26140 31836 70359 57055 76318 39399 21236 90448 12801 03882  
75187 26625

Attention, (message repeated) , out

**5371 kHz, 12-03, 0450 UTC**

411/32 Attention

40385 53786 02008 29681 57862 17373 35747 37023 15409 83069  
28028 25044 77487 91362 94628 76772 53374 39758 80724 35080  
84335 88435 42054 14029 62826 47828 46460 73563 97953 87637  
26147 61286

Attention, (message repeated) , out

**5371 kHz, 12-03, 0820 UTC**

438/38 Attention

62229 42818 06560 23455 13121 42638 04714 35414 48541 51275  
31016 21045 68361 26867 03309 91218 66911 09462 99947 76381  
25736 50886 24502 22523 09356 53661 88784 36281 09901 41738  
11185 21301 80046 02929 79642 28619 29576 03944

Attention, (message repeated) , out

**13470 kHz, 12-03/18-03, 1745 UTC**

245/36 Attention

57272 04490 07001 42844 74340 22599 89122 02878 96872 68025  
02507 94311 41701 64702 56729 22759 45148 42254 76672 03824  
69022 54478 94978 22216 73138 19895 85214 16824 63222 56650  
57479 01616 56767 73124 88655 76684

Attention, (message repeated) , out

**5082 kHz, 13-03/16-03, 0700 UTC**

573/37 Attention

95379 97003 70495 71410 97909 74402 03572 95279 91911 04220  
85745 78841 49338 86258 08972 33992 10665 25042 99506 14046  
67059 63581 48313 99289 89711 63765 91327 62390 07569 09164  
98514 66515 00543 76064 35604 10481 86448

Attention, (message repeated) , out

**9963 kHz, 13-03/16-03, 0715 UTC**

635/34 Attention

34197 40261 49705 42552 73168 06732 23605 27359 28703 66641  
63223 56055 81734 78571 51926 00238 17186 01404 22304 10288  
38268 94749 74493 50832 57435 50452 65598 69251 13556 98568  
85559 06608 20881 44707

Attention, (message repeated) , out

**6397 kHz, 13-03/18-03, 1605 UTC**

231/33 Attention

27708 19746 93359 39938 53145 55814 71084 15711 26949 94460  
97227 47596 03324 39704 94242 20512 52042 56154 69587 34395  
09384 30305 93383 40816 00848 33465 83778 60789 86979 39781  
28054 64791 50789

Attention, (message repeated) , out

**10302 kHz, 15-03, 1300 UTC**

587/31

81712 27106 40964 73557 92084 38428 45479 02381 20662 41319  
23270 42454 16118 99595 33436 02302 40245 16683 70070 98335  
82361 57141 12974 44366 15957 08939 10873 48917 74319 13568  
25544

(message repeated) , out

Note: no ATTENTION at the start or before the repeat.

**13873 kHz, 16-03/18-03, 1650 UTC**

929/35 Attention

29429 63866 42019 65801 00167 61740 44849 94271 02137 06448  
96519 40745 49857 59539 33676 89294 87469 71748 32012 29448  
52543 85097 29238 04729 92004 01922 56419 77736 27501 35035  
89738 87473 52653 77303 59612

Attention, (message repeated) , out

**8186 kHz, 18-03, 2005 UTC**

367/40 Attention

97341 34623 34523 94352 00812 48171 46438 89699 27040 89313  
49311 68630 53984 60829 71361 36726 90761 11674 28475 74930  
43969 69838 22078 37021 51060 04715 33300 66747 56384 06512  
60189 70984 33935 46493 20267 22730 15112 76530 98635 42481

Attention, (message repeated) , out

**10800 kHz, 20-03/22-03, 1645 UTC**

331/39

92658 49661 33233 76369 21866 75560 96288 26864 77703 67577  
35998 62177 42450 11393 06753 22012 72976 03620 24542 72695  
96030 52211 98256 27370 98615 14777 38661 94953 87473 17527  
16635 23002 60444 24497 47470 16239 56691 97322 09440

(message repeated) , out

Note: no ATTENTION at the start or before the repeat. Distorted audio on 20-03.

**7657 kHz, 20-03, 1131 UTC. Unusual long message found i.p.**

i.p. 82 63596 82938 65928 63592 86359 23685 92386 52938 65293  
68592 36859 59283 59236 85263 85992 86592 39875 92738 59273  
57235 72938 57928 37592 78359 27853 92873 59275 22937 52935  
76293 65928 35928 35926 83592 86359 28635 92863 59286 59263  
59286 35214 71965 91659 65986 15968 19586 91865 98165 89165  
65986 55555 Out

**10330 kHz, 22-03, 1530 UTC**

267/32 Attention

51738 31919 00394 81817 55967 45617 73465 90871 64863 38362  
97670 31960 92114 19508 64837 07784 04415 77905 13537 50273  
85412 80898 57836 20895 39593 04871 49249 76634 02918 40934  
26541 94686

Attention (message repeated) Out

**20286 kHz, 23-03, 1225 UTC**

527/35 Attention

36028 05089 ????? 33507 68130 91845 66388 84932 76263 34017  
21970 63724 03591 46261 03004 24024 47774 26815 43440 64380  
51097 14954 86968 17441 23949 59534 24040 30747 50543 95281  
01843 98880 03181 92788 48793

Attention (message repeated) Out

**8530 kHz, 23-03, 1910 UTC**

613/32 Attention

14621 91453 87004 18654 34263 35170 52184 06265 51402 21505  
83525 33613 82156 83404 49699 02112 82261 90442 97098 16528  
83371 14683 74122 34977 87762 03369 53811 14226 90201 25422  
52432 28172

Attention (message repeated) Out

**13470 kHz, 26-03, 0600 UTC**

188/26 Attention

31353 10528 16626 89584 53431 85275 02106 57108 21061 02917  
42028 02965 61223 30446 47362 74470 47379 62054 46649 07210  
43989 36806 27276 06371 37467 68649

Attention (message repeated) out

**9399 kHz, 26-03/28-03, 0900 UTC**

536/34 Attention

20666 13368 00374 89894 55903 42553 52320 22936 14848 47893  
37646 09039 38080 13553 37195 37291 18829 04163 45942 95521  
04652 96785 07523 66932 06176 72712 13417 95242 04099 90266  
10886 14576 37451 83584

Attention (message repeated) Out

**7317 kHz, 26-03/29-03, 1900 UTC**

646/37 Attention

59624 33439 40840 54756 51871 27172 40497 75821 95693 21452  
40699 83033 50483 78239 12130 50589 37333 25843 40192 77048  
00582 82064 05633 77221 53548 76108 30734 00819 66752 93732  
50924 89265 83735 25476 10916 17246 66124

Attention (message repeated) Out

**10246 kHz, 27-03, 0845 UTC**

156/31 Attention

94464 93213 68668 87824 81368 56209 21726 74559 97426 59687  
57446 41812 31617 55891 61990 87282 65978 52150 50954 70649  
91288 32008 10123 27755 55350 22953 40975 98019 48205 81730  
73253

Attention (message repeated) Out

**7317 kHz, 28-03, 1045 UTC**

692/30 Attention

01097 72904 13303 41145 71207 16552 57728 53044 83657 50494  
23732 80145 84897 55392 99157 29046 49129 64114 45998 07142  
34748 24648 75597 00367 06256 95967 36301 14085 00000 38849

Attention (message repeated) Out

**13046 kHz, 31-03, 1345 UTC**

911/40 Attention

23671 86408 33333 55829 58644 12267 10369 24903 01486 80791  
82727 54072 41650 43120 96427 36695 19926 46481 48102 31471  
36929 99760 20041 40901 19591 41592 13084 82776 36243 88949  
40700 62053 30741 42733 28763 49889 47713 96754 00346 03920

Attention (message repeated) Out

## **E17z**

**14260/12930 kHz, 01-03/08-03, 0800/0810 UTC**

674 801 5 48446 88417 44331 36068 41988 801 5 00000

**14260/12930 kHz, 15-03/22-03, 0800/0810 UTC**

674 293 5 00712 62133 04070 28362 67621 293 5 00000

**14260/12930 kHz, 29-03, 0800/0810 UTC**

674 674 674 0000

## **G06**

**5186 kHz, 01-03, 2030 UTC**

891 149 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732

149 52 00000

Windows error sound

**5179 kHz, 02-03, 2130 UTC**

634 149 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732

149 52 00000

**4645 kHz, 05-03, 1700 UTC / 5362 kHz, 05-03, 1800 UTC. Windows shut down sound at 1834 UTC**

**4657 kHz, 12-03, 1659 UTC / 5362 kHz, 12-03, 1759 UTC. Windows shutdown sound at 1833 UTC**

938 836 119

97948 33246 42828 34384 32749 93647 58199 43701 60177 28135  
06454 34085 76634 90706 33072 88372 53886 47372 21339 16136  
40770 40039 11780 74341 53109 07841 34926 87117 45073 99077  
82463 75068 38839 61109 63743 17685 38986 16385 91863 93970  
42892 79133 54833 29740 50624 05550 07162 71591 05957 50496  
49636 34917 58716 90609 17293 45694 97827 63859 77511 60828  
86247 51860 79927 29680 25958 08094 87043 65178 84433 67122  
96451 08106 11141 45478 39589 40945 35217 84752 52418 95865  
91659 90702 05810 69992 80268 85488 52959 04872 27730 22224  
96104 02146 10203 71472 27189 02206 34184 44894 07431 12001  
42873 53065 15668 47939 77793 04906 94600 24510 23243 32312  
10494 01625 74084 53446 47483 47776 23238 41125 53736

836 119 00000

**5442 kHz, 09-03, 1930 UTC**

947 183 77

73413 48673 92659 68289 43584 32573 24589 34134 65918 95946  
19647 87484 25986 28546 59196 27324 59872 48247 28485 96176  
87475 92763 83465 14592 56293 28983 29384 98329 21839 32874  
93284 98324 59693 25932 15959 61893 26498 23128 96197 12387  
13249 76324 76743 43656 87962 28763 54872 35812 54871 63248  
64726 56295 91262 52864 52765 43532 47274 12636 32127 63163  
47263 47623 76275 26543 76437 36437 64236 43764 28976 49276  
42897 73428 34563 92473 91242 17492 27491

183 77 00000

Windows shutdown sound

**5922 kHz, 22-03, 1830 UTC**

579 134 57

69834 91020 28974 71856 74832 89648 73282 64825 48142 73848  
36457 38491 82713 43143 65689 28756 42351 73145 32424 67857  
83273 56425 34245 23246 76879 87435 28184 61547 93671 75364  
72825 34732 53426 47589 73647 58326 15264 37485 63542 43557  
64536 47586 76453 45684 65783 74859 82736 47382 74651 27631  
72361 74827 36452 35263 72813 26743 84732

134 57 00000

Windows shut down sound

**5442 kHz, 23-03, 1930 UTC**

947 134 57

69834 91020 28974 71856 74832 89648 73282 64825 48142 73848  
36457 38491 82713 43143 65689 28756 42351 73145 32424 67857  
83273 56425 34245 23246 76879 87435 28184 61547 93671 75364  
72825 34732 53426 47589 73647 58326 15264 37485 63542 43557  
64536 47586 76453 45684 65783 74859 82736 47382 74651 27631  
72361 74827 36452 35263 72813 26743 84732

134 57 00000

Windows shut down sound

**S06****13389 kHz, 06-03, 1000 UTC**

**11487 kHz, 06-03, 1030 UTC.** Another S06 can be heard in the background during the callup.

**8116 kHz, 06-03, 1700 UTC.** On top of E06. E06 was a leak from their broadcast on 14357 kHz

**6792 kHz, 06-03, 1730 UTC**

480 296 40

34415 80223 55958 41217 65183 29850 11428 29156 59073 50456  
13597 38965 53912 84941 38489 09759 70477 07936 70893 69464  
49623 44813 70855 95057 73628 13974 60178 05871 95713 54413  
29604 26043 90696 91313 23879 33264 70090 05259 79739 54765  
296 40 00000

**13389/11487 kHz, 18-03, 1000/1030 UTC****8116/6792 kHz, 18-03, 1700/1730 UTC**

480 135 44

38242 46045 16619 95601 82040 46795 69921 55941 15903 64313  
91653 67421 97700 61483 28452 43208 78646 87173 43262 04309  
72604 93390 46472 76509 47064 91755 34140 31170 87099 87476  
50135 80378 77662 36926 77384 32258 43795 81190 22191 26184  
16869 81013 09636 99271

135 44 00000

### Exercise transcripts

**14913 kHz, 13-03, 1500UTC / 10387 kHz, 13-03, 1600 UTC**

**14913 kHz, 14-03, 1500UTC / 10387 kHz, 13-03, 1600 UTC**

387 901 56

62681 84125 73038 84316 94312 27182 03194 48073 16929 93860

82801 52818 71325 65364 38375 28087 46295 85203 68705 91285

94951 12123 56179 53637 47576 87848 39525 28041 95282 80895

79536 32576 38790 13493 56278 94986 19769 34202 52395 30942

73815 25031 05767 93951 08418 14787 73496 70251 29014 83615

64390 42374 54817 60675 98486 89458

901 56 00000

### Exercise transcripts

**12053 kHz, 13-03, 1615 UTC / 7887 kHz, 13-03, 1615 UTC**

**12053 kHz, 14-03, 1615 UTC / 7887 kHz, 14-03, 1515 UTC**

409 267 53

43961 52196 64248 52074 30349 67879 21754 75349 54305 34813

25023 35787 75792 51030 38575 48709 05408 71391 89606 83474

53506 07964 50726 40965 19530 25874 89080 58618 71486 75142

47670 94578 94724 62432 14391 67071 83897 10750 82940 89132

49219 15710 59403 43465 23451 04941 68230 63132 78342 19659

08107 54153 26459

267 53 00000

### Exercise transcripts

**13429 kHz, 13-03, 1620 UTC (mistake near the end)**

348 925 166

83719 46417 45795 09649 35215 67570 53750 37185 86891 72317

80135 28743 74759 21716 75764 41786 70191 61565 70354 15602

48265 71516 14305 03980 65394 02128 19482 06395 64832 17231

09503 06027 63216 83927 10154 23902 46412 76047 24595 90767

61878 59018 79416 13840 67648 67948 64624 35857 29698 04037

36069 95475 20584 70804 91806 12130 81870 40678 50212 25195

10794 87960 23278 90486 20563 70827 95134 74390 48250 75406

75206 92949 93684 73860 26342 73670 70363 96318 69480 27089

90570 84936 06308 95280 95873 45212 08981 68508 29397 17509

74568 92765 18583 07172 98634 78546 16102 43984 59537 21058

87690 79056 14510 67240 97879 38231 47318 72402 48595 81623

53614 61871 51579 06295 25046 60689 82842 48676 16596 46248

23045 15439 17650 94616 75392 82860 42854 16352 32196 32925

57510 26472 75025 87184 28953 23723 80741 14181 80935 49352

07860 34548 25025 17656 54598 42632 65765 52924 09617 61924

91852 24696 36081 09760 36976 84163 26956 17195 70813 19180

87680 10682 75680 19762 09261 84804

348 348 348 (R)

10682 75680 19762 09261 84804

925 166 00000

**13389/11487 kHz, 20-03, 1000/1030 UTC**

**8116/6792 kHz, 20-03, 1700/1730 UTC**

480 726 40

29892 12160 63004 98610 77027 77900 36871 19030 84327 99556

48826 40681 18838 64157 50440 33147 78759 64791 17214 63791

24926 19009 37644 43254 57917 06973 93248 07056 26795 68612

38242 46045 16619 94601 82040 46795 69921 55941 15903 64313

726 40 00000

**13389/11487 kHz, 25-03, 1000/1030 UTC**

**8116/6792 kHz, 25-03, 1700/1730 UTC**

480 951 42

85415 05660 12561 99127 26660 43262 00411 46085 73746 95785

34200 61430 27548 96964 43742 38222 82233 19822 36036 44229

96640 58228 64164 97053 71641 44441 06586 08875 20979 70370

05853 69226 10439 27337 32993 35938 53868 48569 32626 22126

84886 91515

951 42 00000

**13389/11487 kHz, 27-03, 1000/1030 UTC**

**8116/6792 kHz, 27-03, 1700/1730 UTC**

480 267 43

07833 86229 49643 26658 00630 24239 66754 71222 25406 68514

42102 13665 14101 86553 84810 03156 37918 79230 59749 32740

72604 93390 46472 76509 47464 91755 34140 31170 87099 87476

74804 95315 14409 02521 55044 77254 23497 29008 09380 93249

00790 29330 09572

267 43 00000

## ***S06b***

**15643/12176 kHz, 14-03, 1325/1425 UTC**

583 491 2 11111 00053

583 274 156

23864 48632 43504 95437 29732 75014 14021 32813 30347 74262

04687 58030 90850 65379 45246 63484 49723 90718 08680 79782

24597 34379 32749 01498 87696 91429 73195 60869 54854 38098

08924 47318 41921 19612 30204 56457 72197 54763 43827 16593

71260 23709 01781 13515 21847 50803 52026 65080 13695 41783

73718 48021 78903 67161 84050 39481 69178 80310 58753 86186

31485 24746 73708 95412 02856 52605 40629 85050 14202 81953

97349 78045 70858 51064 07381 43138 26421 58172 84651 93216

67965 02494 12637 56038 01821 68086 78580 13907 18796 34141

83815 04252 60363 21548 97415 65604 50159 46017 02949 53747

48461 69086 27878 54717 12436 78521 53816 18236 09856 49563

63168 51263 40837 54068 80278 37313 36423 21645 91285 05619

72574 05378 81749 04653 79862 92604 02708 17102 90153 40309

86510 49258 28380 14968 85930 85649 31842 21948 23509 08732

89468 14612 69650 40375 32741 24282 94636 53024 06540 20356

18562 54646 53168 80674 01748 38717

## ***S06c***

**12184 kHz, 13-03, 1445 UTC**

11042

## ***S11a***

**9960 kHz, 02-03, 1020 UTC**

423/47 Vnimaniye

06008 93989 74138 39144 11905 28083 04311 30651 15786 49005

38504 42608 33406 31869 55290 86549 95318 58478 86717 00783

13493 13519 55706 76027 14990 63747 65330 07804 39252 47653

43714 52578 04995 72904 54374 22345 13541 11459 67361 19006

71621 13968 05089 21236 64183 74891 73192

Vnimaniye, (message repeated), konets

**5358 kHz, 06-03, 0455 UTC**

326/31 Vnimanije

25891 85094 16100 32491 84516 21394 60619 04120 78101 13594  
04456 86510 86748 31197 90034 64120 13918 97377 14074 43074  
44177 24757 50434 89986 11062 22523 05605 86257 94674 21866  
46271

Vnimanije, (message repeated), konets

**4016 kHz, 07-03/09-03, 1955 UTC**

372/38 Vnimanije

23566 12887 60398 55105 02698 97335 38188 48972 30108 45987  
76179 35180 56967 81227 43900 05627 20804 73019 00820 16659  
31838 62483 35590 69753 06152 19113 70771 47132 26103 92061  
37841 16000 10324 67187 80231 52593 69233 82066

Vnimanije, (message repeated), konets

**13537 kHz, 15-03, 0735 UTC**

383/39 Vnimanije

18012 50096 69620 50627 78191 36774 30287 22031 56641 62546  
22605 73990 08082 44907 50769 00549 19012 11109 42687 66367  
89252 20682 84968 03589 90468 42097 59415 85263 98737 40806  
38705 49366 95540 19282 64348 26256 70323 99033 18527

Vnimanije, (message repeated), konets

**10213 kHz, 14-03/17-03, 1850 UTC**

281/36 Vnimanije

56544 76849 12411 72795 15962 21148 04993 84856 83827 66609  
63912 84321 40708 63360 28396 02663 00235 65182 01777 23683  
24846 48071 48580 54436 49313 95835 76657 59802 09152 30903  
81678 04330 60540 31444 76689 21356

Vnimanije, (message repeated), konets

**5344 kHz, 18-03, 2050 UTC**

487/37 Vnimanije

11094 19190 69588 49018 83048 69948 56212 34422 82528 93527  
93377 02613 84175 62167 57139 63377 13157 78161 39113 08423  
94755 27013 23781 23528 94575 14022 83466 91288 18271 42454  
90356 51263 97347 96281 75658 37463 80797

Vnimanije, (message repeated), konets

**10800 kHz, 28-03/31-03, 1540 UTC**

561/35 Vnimanije

57855 08358 65639 53781 79801 33210 24369 99311 78761 94588  
70630 14107 53665 84092 98380 58958 82580 93061 81090 46159  
13364 37817 83826 37853 81022 30704 12078 10809 01178 41805  
54972 32051 55702 98165 56082

Vnimanije (message repeated) Konets

**V07****18174/15874/14374 kHz, 11-03, 0100/0120/0140 UTC**

183 183 183 1 5669 51 5669 51

31395 62161 53073 12671 08818 39960 80963 38434 40020 56159  
94690 28266 49293 98027 46755 85850 61614 64235 17580 88497  
01006 26085 99816 32069 38920 21611 28981 51287 20705 75002  
16679 68441 83039 71833 33513 95949 49167 66871 77200 89445  
7?246 86786 90809 77272 44525 46188 86554 74261 41465 85623  
80947 000 000



## V15 via PBS Pyongyang Pansong

Logs by Amano and Ary. Transcripts by Amano.

Predicted schedules: <http://radio.chobi.net/DX/SPYnumBBS/?res:192#RES> provided by Poyfull.

### 3320 kHz, 10-03, 1515 UTC

Recording: <http://radio.chobi.net/bbsasia/img/4180.mp3>

No. 21 explorer / Mathematics review task

Mathematics is translated as "suhag" in Korean.

Start page and the number : 211, #73

End page and the number : 230, #24

She reads 51 pages and numbers and repeats it twice.

### 3320 kHz, 15-03, 1615 UTC

Recording: <http://radio.chobi.net/bbsasia/img/4181.mp3>

No. 27 explorer / Mechanical engineering review task (Report post)

Mechanical engineering is translated as "gigye gonghag" in Korean.

Start page and the number : 795, #58

End page and the number : 294, #37

She reads 38 pages and numbers and repeats it twice.

### 621, 657, 3320 kHz, 24-03, 1515 UTC

Recording: <http://www.numbersoddities.nl/V15-2018-03-24-1515utc.mp3>

Music followed by a message in Korean.

### 720, 801, 855, 3320 kHz, 29-03-2018, 1615 UTC

Music followed by a message in Korean.

Recording: <http://www.numbersoddities.nl/V15-2018-03-29-1615utc.mp3>

## MORSE STATIONS

### M01

#### 5475 kHz, 01-03, 1800 UTC

Another odd transmission. Running the groups together. On purpose (training) or real errors?

463 926 926 30 30 = =

8050 480540 2326 423264 195 6419564 438014 380 19360 193601

9662496624 8812188121 24910724917 9141491414 1866718667

8806988069 9607996079 3563235632 42291 42291 66 37776377

4265042650 4 275842 758 31 40631406 940699406 9 16 26216262

47159 47159 1155011550 0375 30 3754 643 7 864378 54 84654846

1344 213442 1416514165 36 92 73 6 927 3447634476 05089 05089

= = 926 926 30 30 000

#### 6260 kHz, 03-03, 1500 UTC

463 987 987 30 30 = =

45334 04363 76419 77689 05310 74644 95095 26268 82742 78564

98924 81933 66289 50690 04824 78826 28346 38441 27355 70800

00211 88231 88681 60563 49763 05177 08099 20372 48768 60597

= = 987 987 30 30 000

**6510 kHz, 04-03, 0700 UTC. Started with the wrong id.**

197 (R) then at 0703z:

463 (R) 678 678 30 30 = =

74268 78383 72497 28505 15223 41525 48488 20802 13101 41803  
83799 85363 56202 73211 93971 42082 20375 81429 76818 29929  
70547 43951 60097 93787 40607 48032 07455 43063 64477 99848  
= = 678 678 30 30 000

**5475 kHz, 06-03, 1800 UTC**

463 521/30

74268 78393 72497 28505 15223 41525 48488 20802 13101 41803  
83999 85363 56202 73211 93971 42082 20375 81429 76818 29929  
70547 43951 60097 93787 80607 48032 47455 43063 64477 99848  
521/30 000

**5020 kHz, 06-03, 2000 UTC**

463 747/30 747/30

45334 04363 76419 77589 05310 74644 9595 26268 82742 78564  
98924 81933 66289 50690 04824 78826 28346 38441 27355 70800  
00211 88231 88681 60563 49763 05177 08099 20372 48768 60597  
747/30 000

**6260 kHz, 10-03, 1500 UTC**

463 621 621 30 30 = =

34269 54383 66497 12505 90223 66525 78488 76802 55101 43803  
83799 85363 56202 73211 93971 42082 20375 81429 76818 29929  
70547 43951 60097 93787 40607 48032 07455 43063 64477 99848  
= = 621 621 30 30 000

**6510 kHz, 11-03, 0700 UTC**

463 847 847 30 30 = =

8.223 03762 777.9 76389 876.0 34244 93495 45268 23442 43164  
98924 81933 66289 50690 (506900) 04824 23346 (28336) 38441  
27355 70800 00211 88231 88681 60563 49763 05177 08099 20372  
48768 605976597 = = 847 847 30 30 000

Several mistakes. Dots instead of figures, running groups together, incorrect repeats.

**5475 kHz, 13-03, 1800 UTC. Running groups together.**

463 322 322 30 30 = =

9367993679 0789007890 9114291142 7402174021 74727476 5555955  
50195019 52205220 827820 3393379 658596859 87648674 6463214814  
52352223 3480418 71571 88614886 141111 40909499  
21621207362032570542942994248292829 395232 43503058558717516753  
7389739  
= = 322322 3030 000

**5020 kHz, 13-03, 2000 UTC**

463 324 30 = =

76346 61228 47464 \_\_\_\_\_ 88492842 349191 875235 808808 154155  
00240702 868888 07344034 937933 6197761977 564154 336399 698564  
370953758515515723627236 233315 691666 0668606866 781317813  
075290752553454 090606090399039 5191351913 = =  
324324 30 30 000

**6510 kHz, 18-03, 0700 UTC**

463 268/30 268/30

97721 36041 94171 82555 32863 05162 95990 95692 27474 78353  
07727 01786 02769 41282 68610 96933 64732 83344 35562 84935  
52973 39778 94000 17057 81709 77417 24478 59067 07212 39469  
268/30 000

**5475 kHz, 20-03, 1800 UTC**

463 273 273 30 30 = =  
10800 35753 54442 75187 08569 45188 85422 88062 74556 12801  
54443 28250 85204 39201 90700 16545 28082 99643 45012 45302  
08319 35791 08255 51399 95289 98119 32605 60114 17345 54357  
= = 273 273 30 30 000

**5475 kHz, 22-03, 1800 UTC**

463 286/30 286/30  
58443 58245 04245 73338 09397 69527 51352 47506 49144 71831  
09451 95493 00196 87349 70755 31467 30568 93729 10307 13231  
14029 80980 09854 28799 16945 22987 57725 00870 78075 72266  
286/30 000

**6260 kHz, 24-03, 1500 UTC**

463 121 121 30 30 = =  
62294 96106 99313 57053 62817 38934 88450 62243 76727 71434  
11846 76477 33941 42860 86242 98227 16948 24323 60678 89573  
03239 78551 48594 46052 28085 18694 96235 88084 14737 88909  
= = 121 121 30 30 000

**6510 kHz, 25-03, 0700 UTC. Long pauses in the callup. Message as sent:**

463 375 375 30 30 = =  
76175 76175 45467 45467 83952 83952 59727 59727 (13s pause)  
11929 11929 87993 87993 52561 52561 96035 96035 41657 41657  
(24s pause) #53S 50+534+ 5088646 88646 88363 88363 80238 80238  
49048 40948 4948 59581 59581 97096 97096 62678 62678 (18s pause)  
76748 76748 33587 33587 75962 75962 89369 90370 68057 71632 61632  
71632 01510 67117 36486 36486 01528 01528 35355 35355 62253 62253  
= = 375 375 30 30 000

**5475 kHz, 27-03, 1800 UTC**

463 285/30 285/30  
54144 57693 64789 18307 99197 50493 56271 80680 85218 77342  
86665 28406 71862 95157 88542 43148 24965 50320 86363 20295  
32189 00999 54105 05310 09909 84562 39480 29075 56128 35218  
285/30 000

**5020 kHz, 27-03, 2000 UTC**

463 675/30 675/30  
61937 56570 40050 05042 42315 66344 69695 01533 85551 08170  
84339 85978 92889 67751 36967 18924 88391 12258 34329 26682  
24761 40190 79616 59128 50478 11423 16888 75784 96047 00412  
675/30 000

**6260 kHz, 31-03, 1500 UTC**

463 485/30 485/30  
54144 57693 64789 19307 99197 50493 56271 80680 85218 77342  
86665 29406 71862 95157 88542 43149 24965 50320 86363 20295  
32188 00999 54105 05310 09909 84572 39480 29075 56128 35218  
485/30 000

## **M01a**

### **3308 kHz, 28-03, 0557 UTC**

333 333 333

111 000

### **4729 kHz, 28-03, 0615 UTC**

893 893 893 78504 78504

893 893 893 78504 78504

333 78574 78574

333 78574

333 77778 77778

333 77778 77778

1111 999

443 35 =

13266 26742 98373 46770 82605 95369 03039 27425 38589 32325

73694 94767 38756 49863 51636 72546 02233 24174 84618 18248

36639 01349 22441 34885 05203 17808 48660 12450 72749 37396

95033 10651 05262 33964 43478

= 443 35 000

### **3597 kHz, 28-03, 0636 UTC**

289 289 289 53207 53207

289 289 289 53207 53207

89 89 89 53067 53067

89 89 89 53067 53067

289 289 289 54817 54817

289 289 289 53717 53717

333 53217 333 53217

111 999

203 41 =

80560 70303 20266 49994 30406 98240 19652 05340 72886 52881

30366 65823 02278 37951 25595 63438 51182 77127 00294 05455

60549 44752 18601 59726 16770 57119 33269 99351 72315 34779

01215 10711 78174 31286 69592 38260 04010 43664 87764 90578

71782

= 203 41

999

206 42 =

88602 97149 99148 44705 69186 12273 88888 41068 76628 13017

78546 66711 51566 33055 34711 32286 67936 92780 47353 47337

72673 85407 10169 15430 76710 67897 21818 42355 74056 49073

01654 47350 48884 67783 59009 42240 06566 64967 32758 70547

47654 17626

= 206 42

111 000

### **4843 kHz, 28-03, 0708 UTC**

111 999

11464 31347 90526 79728 39913 22689 74663 21755 91548 70830

68548 75133 34734 44634 82941 ... 85640 436114 19821 65236

64691 56848 14537 44735 87917 44102 78769 12251

= 312 31

111 000

**4549 kHz, 28-03, 0722 UTC**

865 865 865 12115 12115

111

333 111 12...

111 000

**4619 kHz, 28-03, 0725 UTC**

897 1263

111

333 11663

111

897 897 897

258 36 = 39502 56277 72156 39378 08002 92908 53365 55063 57375

22282 34284 03952 22504 49449 49490 85254 38947 53095 11637

51095 89856 77676 65521 62613 23315 61454 75310 09296 30063

35577 81984 91458 95013 47826 04381 51241 = 258 36

111 000

**5209 kHz, 28-03, 0742 UTC**

260 260 260 94930 94930

260 260 260 94930 94930

260 260 260 93552 93552

**5475 kHz, 29-03, 1800 UTC. Different repeats between brackets.**

463 284 284 30 30 = =

58493 20589 98342 49763 83643 56949 68919 58766 (5866) 72635

76684 (72635 76684 sent twice) 98517 66987 81639 13047 75373

42197 37158 64409 5345034 1067EEEE 10687 72176 31816 39359

49074 69324 73671 18288 04619 02098 885670 (85670)

= = 284 284 30 30 000

**M12****12214/10814/9214 kHz, 01-03/03-03, 1410/1330/1350 UTC**

282 282 282 1 9080 80 9080 80

56854 82345 77272 80827 41125 89974 95294 09859 98659 78610

81672 16391 08740 80846 09418 59951 26780 03052 59644 47702

12243 30858 61408 44970 62854 28324 85277 74492 95040 47370

24348 98193 36964 02258 53652 98320 80517 86308 56251 60926

08176 46109 23250 93494 12894 85187 75814 18225 83340 39832

09331 72492 60614 26821 98142 05272 28922 67771 28915 95648

57827 15904 19377 91886 13105 03385 57975 21238 66798 96927

29130 79220 35608 59241 98243 24685 38236 68995 12038 63223

000 000

**14377/13461/12114 kHz, 01-03, 1700/1720/1740 UTC**

317 317 317 1 2896 109 2896 109

95437 48451 19345 35283 97303 05364 03323 58594 43115 95421

17095 64764 97779 34458 54911 61659 43249 42652 52274 28700

36706 92889 30871 40450 39887 99118 84459 11619 38435 15709

40436 85154 49240 68924 66741 96109 74800 99832 69894 24753

02029 29165 16759 70002 68453 33781 91277 92323 36372 08829

76297 02978 60975 44167 99499 49064 97859 77323 18552 44831

70602 83269 52753 62625 31001 32328 06815 13640 30336 94444

09776 59029 95361 16622 06812 08413 26790 97575 60645 99993

95947 65266 23617 86508 57133 89741 39391 75805 62549 00694

26871 03864 82144 86107 44645 63928 24182 50252 21596 08062

05274 49869 42173 86371 91225 83793 49338 65914 95439 000 000

**14769/16269/18169 kHz, 04-03, 1010/1030/1050 UTC**

721 721 721 1 8997 51 8997 51  
14229 44035 62574 06950 49125 45115 07025 79738 06571 44057  
47857 71027 04136 35588 19895 25423 62562 54931 98499 35350  
48714 36457 67568 23784 10329 81410 69113 54376 81811 76235  
02926 27089 50313 26446 81174 09224 66540 11757 61447 06274  
12251 40798 86902 39444 98614 04209 84605 55179 18498 69875  
67870 000 000

**11435/10598/9327 kHz, 05-03, 1910/1930/1950 UTC**

938 938 938 1 3997 86 3997 86  
65099 62281 11236 19101 86030 92755 74393 90707 59760 10355  
00367 35416 51680 96272 25213 23924 46069 05502 40181 01793  
77887 18247 27853 79222 35345 76761 74609 86228 48256 50120  
20851 09662 26592 38028 80265 25885 80522 30876 95461 45122  
69282 60946 85398 43072 25593 08214 04541 84385 43634 39403  
57424 84807 66667 71755 00105 70688 03239 94325 99965 45259  
69678 15137 05709 08395 62858 81028 51511 74350 55075 68940  
65479 24133 19689 99352 51064 16720 66085 77348 92346 61480  
13917 44206 11743 89821 63700 94483 000 000

**10343/9264/8116 kHz, 05-03, 2000/2020/2040 UTC**

124 124 124 1 1346 101 1346 101  
02144 35553 62144 81237 31598 23524 38662 70861 65291 38102  
13657 99198 57434 56502 27859 22713 77673 89889 17609 09667  
00817 25972 52862 33235 14905 97259 76513 08500 61961 98466  
99312 17090 56393 45163 53612 83444 59834 00433 44481 03431  
90299 42072 58995 50666 37831 25769 79204 17916 92849 72916  
54762 85702 85930 58041 56094 98589 63007 10316 83344 38189  
41731 74123 23953 84663 18955 14784 23965 67369 94781 46972  
19792 72378 79085 23087 25900 26800 15146 58573 36002 68558  
78368 56779 63662 42811 77894 49514 45129 19733 76767 31228  
78636 24261 57816 67077 70246 02134 15631 26761 98740 25374  
000 000

**9176/7931/6904 kHz, 07-03, 1800/1820/1840 UTC**

257 257 257 1 5107 142 5107 142  
69332 86514 39431 64454 43691 95908 94984 36174 26500 07482  
31867 16281 06146 89794 78373 49561 82528 68784 79340 97145  
94572 14068 53578 53627 99731 43652 49594 94775 13449 20947  
44040 07425 06061 13056 12575 88587 50262 70805 09657 71251  
50279 92827 93969 76771 19464 87864 04126 45874 59844 76143  
27422 76826 14413 50404 75903 73871 07336 40374 91898 07543  
44289 89207 25967 83001 28855 71811 70865 32117 03530 19116  
13053 57635 70563 84658 29366 65689 10045 43541 93351 64112  
61073 13651 58993 23957 07521 84278 60388 26666 17149 85774  
90695 44999 45971 28011 15442 78933 58258 46795 77663 07059  
41321 71283 20703 80618 11563 87230 30907 79302 04682 65512  
11914 31702 90435 32196 53139 56969 10784 19366 02176 27371  
45338 39910 59524 85987 48126 04433 75702 29656 79733 60798  
06814 54751 76481 45565 05718 90048 36854 44045 52463 40068  
95915 25288 000 000

**8047/6802/5788 kHz, 07-03, 1900/1920/1940 UTC**

463 463 463 1 8941 140 8941 140  
19292 40900 68533 23274 01065 78303 30199 13853 82215 42409  
04758 69776 89191 79086 24664 51463 67819 76201 60446 36132  
60836 30755 47036 91555 76798 63031 59954 62670 37507 82373  
66586 47799 05047 93400 39244 87003 90976 24536 80099 26457  
80738 46756 19772 43786 59293 87686 38152 45554 65886 18468  
38910 21202 66644 88935 35619 61046 10530 30039 41512 66428  
44429 00504 23507 04331 17289 66909 97954 83877 59484 57480  
91353 92856 43706 94361 77310 56290 00702 95005 39857 41418  
45523 77182 51734 19714 61519 28910 61269 15842 20363 57236  
21804 66209 52073 66509 12132 75364 30134 24834 21983 87749  
24439 77323 56580 91302 71433 70637 84671 25703 53060 97770  
20163 39487 78369 52137 27099 72995 21082 35574 06042 99845  
61019 29112 24641 30924 97510 17352 53955 82541 12640 59296  
95358 23853 24266 33317 12652 61581 55744 36110 79546 69754  
000 000

**5763/5163/4463 kHz, 07-03, 2200/2220/2240 UTC**

714 714 714 1 6206 71 6206 71  
49704 44742 98274 27880 90324 89735 39190 30051 07031 77392  
92001 52093 70486 75657 14108 71817 89570 34883 01699 02796  
57503 76096 24441 46844 63985 66469 77390 81262 14698 38434  
97194 51013 48240 84368 70216 69320 55930 86075 97059 88803  
08234 42371 05302 50095 44462 77577 52198 33548 27783 96107  
47625 63762 27970 46288 81906 37875 89837 20952 17025 43141  
58247 87055 67199 50892 51884 02037 33640 40356 99927 87460  
77011 000 000

**14377/13461/12114 kHz, 08-03, 1700/1720/1740 UTC**

317 317 317 1 9910 107 9910 107  
58102 02259 91994 76775 64776 61171 04243 51618 72727 00648  
46804 73174 85415 23740 73766 39766 76770 59195 35544 05620  
90299 56769 18589 59363 76390 60030 50788 90795 49020 33865  
29030 90894 64482 23915 17244 29655 08561 03251 41665 34725  
26938 11489 07121 70066 82827 33167 66019 07126 15135 82304  
19017 09049 35742 24633 56161 04306 97916 93079 91739 47155  
73042 15067 78728 51204 40918 20912 35192 63270 20975 63137  
69840 18859 93438 76654 95947 81513 26869 90901 93427 02253  
16766 01328 66487 17264 12176 56255 74476 42682 63455 31878  
76476 48346 46544 73459 66055 46009 90658 27022 21383 08628  
75888 37317 08515 83273 28650 00727 20106 000 000

**8158/9258/10658 kHz, 10-03, 0600/0620/0640 UTC**

126 126 126 1 6206 71 6206 71  
49704 44742 98274 27880 90324 89735 39190 30051 07031 77392  
92001 52093 70486 75657 14108 71817 89570 34883 01699 02796  
57503 76096 24441 46844 63985 66469 77390 81262 14698 38434  
97194 51013 48240 84368 70216 69320 55930 86075 97059 88803  
08234 42371 05302 50095 44462 77577 52198 33548 27783 96107  
47625 63762 27970 46288 81906 37875 89837 20952 17025 43141  
58247 87055 67199 50892 51884 02037 33640 40356 99927 87460  
77011 000 000

**16276/14876/13376 kHz, 12-03, 1400/1420/1440 UTC**

283 283 283 1 9233 143 9233 143  
30226 06662 03405 40647 62250 71623 25548 63446 82361 76326  
31490 37215 31118 44180 10553 68833 22623 54757 56554 88499  
82154 33419 65632 51037 01395 88767 88914 98348 88247 33621  
83990 89522 10709 99540 60252 55192 20136 38328 89855 76788  
04048 44939 44373 99181 61258 14007 36131 05629 95915 34287  
88536 66577 26942 73881 43277 12743 56121 92543 58501 32604  
62607 52056 71966 47375 11636 87482 09642 36037 12387 43252  
47758 28318 69551 77873 08616 31789 45758 18314 80950 54761  
94956 28569 84510 24569 18639 40874 03241 14863 55810 39693  
73534 32469 94778 58823 02769 92144 67173 28445 42896 69215  
51515 12060 56221 67065 28972 53231 20598 88992 44999 04862  
24941 24251 70289 04453 10437 41136 12978 33970 61089 50726  
03903 79409 19698 74807 25530 46754 04450 15167 36669 64827  
21576 97522 11164 90709 09880 78641 10678 56713 03237 76350  
10761 67020 05457 000 000

**10343/9264/8116 kHz, 12-03, 2000/2020/2040 UTC**

124 124 124 1 9394 106 9394 106  
85883 43245 27384 07052 75891 87541 19165 43396 82726 81204  
05591 35912 06545 10727 86931 60554 70288 37762 48568 06549  
82086 95696 45173 75025 31682 70393 79776 62300 31302 39807  
19938 09948 33252 02070 25507 78895 23492 83282 45269 80983  
64673 89436 73390 48840 65514 41977 52038 59367 91001 76048  
83762 84849 78323 59477 97332 02014 41919 00538 18447 83468  
67440 13701 86356 20813 68958 15377 18861 55014 66768 49175  
28532 26445 85449 18366 46979 28960 28146 19024 52727 45831  
27486 04785 78193 61189 31891 95624 73004 80871 79386 28271  
38735 01751 87133 63291 08920 45084 03986 65562 19552 10397  
47284 02229 10451 63611 53875 61300 000 000

**14768/16269/18169 kHz, 15-03/18-03, 1010/1030/1050 UTC**

721 721 721 1 8081 67 8081 67  
33723 43257 33440 81052 65382 35526 02987 49537 91122 15301  
54187 89171 40021 58735 70300 26763 03459 25015 90182 54292  
72353 81065 11153 50858 33394 76302 10965 47068 00434 53424  
07146 01447 47162 28657 13036 13937 14387 87512 05693 08562  
52502 47937 98452 58537 47859 79497 77038 27495 52342 94602  
51238 23492 68488 56781 63691 48510 95019 25961 98958 27716  
92268 21145 61801 56243 49098 75984 06015 000 000

**12214/10814/9214 kHz, 15-03, 1410/1330/1350 UTC**

282 282 282 1 9018 77 9018 77  
12299 01789 77564 84935 00349 86366 88748 43531 56588 77928  
02893 99947 62036 08436 77343 60189 98067 30256 74733 05578  
15289 84782 14973 22428 97734 11920 44501 63218 84337 02065  
38096 26639 68947 24173 67621 76585 07031 60708 67687 23214  
05494 84999 97350 05561 21847 41964 52058 75559 39654 95423  
50168 11380 86859 66785 17053 41424 39338 35704 16667 28008  
16968 71125 14011 77438 81008 56921 14369 46951 67990 37006  
82270 95609 00198 24833 21001 27960 27094 000 000



**14377/13461/12114 kHz, 15-03, 1700/1720/1740 UTC**

317 317 317 1 8933 104 8933 104  
27106 83657 21372 93887 92420 97979 03546 06270 75671 06917  
88562 02141 71155 90834 00797 55647 71387 44991 90339 07009  
16757 93184 48674 70683 81542 48613 76143 79851 08823 95343  
06752 26285 61933 50278 15302 80213 66246 99460 90718 31295  
90945 07427 51570 20496 96136 52722 62195 27480 20391 66289  
20623 81241 61343 87331 74580 30611 23740 67433 16606 63891  
32079 08655 35117 86982 92264 57893 18746 14186 25755 10962  
61502 30097 69425 36239 91782 25842 87331 29833 57556 89914  
48906 43654 41617 34886 96757 70614 71157 18263 10479 18342  
18574 94571 11700 67892 38630 71202 59328 96066 29792 67472  
42784 06552 98356 85348 000 000

**10343/9264/8116 kHz, 19-03, 2000/2020/2040 UTC**

124 124 124 1 4374 106 4374 106  
38409 62701 73030 30720 91828 56615 12970 88365 26864 00959  
76622 63883 98691 02971 35437 99652 73429 88356 98683 60226  
63200 11389 02017 00534 29804 15317 16988 24278 04866 67959  
25320 48297 43940 13091 97326 21504 10728 17494 06102 98169  
95519 43757 20831 23018 45478 84976 26155 07723 25027 24726  
96940 19470 81613 69077 20450 25663 87114 28930 00595 29297  
24880 56066 94757 28446 81421 89198 65560 97154 20750 99737  
43701 91375 59548 25296 20683 33443 79914 02914 13277 41759  
91212 06171 08049 23702 44887 58341 42950 39344 71882 19474  
68044 10038 74948 89698 52426 18594 13390 65223 66236 92343  
90124 66482 94708 51140 09723 13502 000 000

**9176/7931/6904 kHz, 21-03, 1800/1820/1840 UTC**

257 257 257 1 8764 143 8764 143  
74582 26320 70548 67989 96989 01075 17577 57838 63543 44248  
57922 68747 71418 13014 75774 88676 03416 10997 35091 97518  
22100 29128 95814 67363 86219 49277 74522 13543 63896 48976  
95334 51265 49987 50348 53143 85153 31222 73511 93638 80273  
95905 32915 86139 02474 67959 07818 30161 13737 33220 59095  
05798 37741 94591 00788 09495 30990 24376 79782 26381 65739  
94627 19152 28053 97161 57240 93172 38623 31334 91896 09986  
19985 71914 39941 12267 02894 92380 87172 07530 92653 10033  
74637 49159 45390 30699 31692 31640 29351 40848 94373 13906  
06546 35485 05487 40399 05372 90633 39712 45058 68824 64093  
73224 28766 53820 53881 12250 68126 53582 77465 78247 26374  
29121 01369 73393 34624 89921 44078 52660 04131 69380 70205  
01758 14383 09744 49153 29547 42693 05518 56048 11677 12225  
73078 01351 99039 96160 65265 51150 56996 69159 15669 80602  
93137 09043 81388 000 000

**8047/6802/5788 kHz, 21-03, 1900/1920/1940 UTC**

463 463 463 1 3903 149 3903 149  
61059 18259 03917 06758 67073 31469 31193 28839 04001 12674  
18653 25178 65618 70857 10059 44371 03651 42442 91848 69619  
67781 93449 92617 87643 96978 64196 06653 30008 53449 89327  
05410 85956 88651 82583 77995 01299 83296 19388 45711 20180  
80254 37909 82346 32582 89847 07914 52373 29192 72756 59093  
89362 94179 20312 28846 83171 17365 90938 79559 14476 21632  
73111 50504 97998 78461 81287 35667 06060 54615 01972 94497  
81483 20738 43340 12802 67936 73721 46768 34720 40363 77615  
85571 02068 17489 36567 54799 32023 54834 26526 97115 83336  
99492 66369 96878 77341 32667 99336 05537 90988 68700 85180  
69819 78059 72611 07009 98343 41458 02832 43983 47982 62297  
01107 03298 28479 43326 96551 53551 38665 71878 65846 47354  
60607 88059 25153 81416 66358 43338 25169 71634 57693 39783  
10882 58089 40830 62706 39684 61264 41586 53716 54581 31704  
65491 34374 90809 68121 76042 06240 72836 05674 83371 000 000

**5763/5163/4463 kHz, 21-03, 2200/2220/2240 UTC**

714 714 714 1 116 87 116 87  
63551 97491 57145 08047 82770 51133 89268 44870 41748 41107  
51113 47204 29179 63378 41651 59508 45940 01841 50469 83783  
76418 34205 15416 56681 09128 43153 96205 90497 42384 29149  
73358 83978 97948 61136 65858 22599 43654 42087 52765 92829  
19804 28194 69024 14460 09477 83658 13342 35014 44286 00201  
04236 60401 90685 82595 88362 59862 13352 74685 87625 62211  
92654 30707 24457 32864 27744 83429 99621 17443 87749 52546  
56281 71906 12053 54474 65930 50305 55308 57789 47290 45808  
11060 95666 56820 77163 20684 97269 50078 000 000

**8158/9258/10658 kHz, 24-03, 0600/0620/0640 UTC**

126 126 126 1 116 87 116 87  
63551 97491 57145 08047 82770 51133 89268 44870 41748 41107  
51113 47204 29179 63378 41651 59508 45940 01841 50469 83783  
76418 34205 15416 56681 09128 43153 96205 90497 42384 29149  
73358 83978 97948 61136 65858 22599 43654 42087 52765 92829  
19804 28194 69024 14460 09477 83658 13342 35014 44286 00201  
04236 60401 90685 82595 88362 59862 13352 74685 87625 62211  
92654 30707 24457 32864 27744 83429 99621 17443 87749 52546  
56281 71906 12053 54474 65930 50305 55308 57789 47290 45808  
11060 95666 56820 77163 20684 97269 50078 000 000

**16276/14876/13376 kHz, 26-03/28-03, 1400/1420/1440 UTC**

283 283 283 1 150 129 150 129  
42240 99207 97229 37344 56322 27469 67716 25284 41750 54258  
20012 55480 64843 50658 40011 81239 28348 42824 00308 08282  
18052 97964 70051 58826 66674 54079 37688 01700 32535 26409  
47804 06686 48791 82418 61826 15238 90208 59056 76784 66140  
71341 95105 36540 23949 06116 27581 70617 79340 89714 68288  
68658 79462 59858 41179 73794 95929 47009 85438 00903 20234  
84415 93726 70315 41636 58616 97793 06720 98479 94740 30697  
38501 59996 01759 67426 51272 15494 99595 01321 88115 22369  
39934 69256 40301 96854 30500 14959 31617 51189 90619 60514  
89213 47622 50386 40270 87436 29112 85029 26619 47876 78613  
99795 84348 78334 53844 58980 67305 41351 90552 10272 99592  
47110 44906 44826 84067 19595 35108 36636 02387 31756 87598  
69155 00995 96747 81684 99657 43727 83058 91155 68064 000 000

**14769/16269/18169 kHz, 29-03, 1010/1030/1050 UTC**

721 721 721 1 455 97 455 97

79090 32340 89505 25909 75823 72825 35195 61004 77739 16683  
 79333 53993 68107 06367 33906 68047 85468 71483 52281 66128  
 37289 27428 63314 76591 47213 87352 26978 65442 23117 35857  
 63236 68966 11094 24017 76483 60259 21971 52872 52386 68429  
 19241 10078 66092 51679 28870 60126 21325 28266 49341 56449  
 24172 04575 36563 11645 72303 32646 05546 99568 60417 57609  
 24915 99257 20383 02035 93346 80261 05140 47780 82476 85503  
 22509 22499 03100 75222 68151 23397 76831 83268 58052 58027  
 15134 81669 34386 14119 63827 39874 83784 70857 74618 09718  
 94246 00446 54411 98328 25804 22395 16309 000 000

**12214/10814/9214 kHz, 29-03/31-03, 1310/1330/1350 UTC**

282 282 282 1 8634 91 8634 91

81414 20173 30307 58993 96504 92210 39511 91886 59041 23063  
 55213 44295 72134 05568 78588 35320 68414 61524 45009 28136  
 49464 59448 65513 17235 09364 79365 75352 08482 41284 82469  
 25643 10015 86524 31214 10498 32310 88989 69316 53715 26250  
 75566 05841 61580 90252 45349 98284 75900 72901 78567 49909  
 08104 69846 00415 02220 44950 36164 59054 43110 89619 93419  
 38095 10570 94709 68793 82874 77716 42830 52067 10407 25693  
 30810 80729 50944 15273 14193 00995 75913 99549 05310 59693  
 97391 76154 19778 72401 62908 22272 23365 96933 44237 89191  
 73864 000 000

**14377/13461/12114 kHz, 29-03, 1700/1720/1740 UTC**

317 317 317 1 4867 105 4867 105

23043 21888 28072 45298 35820 05711 05918 67235 93284 29630  
 66226 61588 41101 84788 38410 98062 63190 56799 80931 91655  
 13242 79025 38600 23319 23593 35474 92935 36153 79678 04320  
 96088 79209 04915 55854 74218 59244 42607 72756 83362 41262  
 80601 06318 14582 90499 79985 75138 76655 69382 47581 46114  
 99994 37983 62627 30414 45876 63051 47648 18503 99723 23628  
 83961 90917 62563 32131 87061 99614 56939 79251 66481 46410  
 61736 70216 04110 66759 91884 64720 87345 80918 42067 01947  
 08700 90644 02116 27454 87295 66652 08832 85254 80877 43530  
 16881 42578 12403 41757 36783 64701 29142 10421 18094 05682  
 98259 33884 07216 88131 85664 000 000

**M14****18041 kHz, 06-03, 0500 UTC**

952 163 163 50 50 = =

98229 08234 86039 65886 03602 31585 28525 23258 96721 36204  
 85281 68225 91823 85031 04393 83084 84805 54011 24341 29061  
 00852 39943 57027 80190 57783 44997 54101 73688 11634 73828  
 36275 75332 77049 04226 90316 83061 39518 17230 63398 17621  
 01931 97666 09512 08731 31807 41026 67602 27045 02773 27624  
 = = 163 163 50 50 00000

**18041 kHz, 12-03, 0500 UTC**

952 431 431 50 50 = =

54181 87543 59237 84515 81999 35052 04388 75958 05847 78369  
 95964 81734 38937 88618 89846 57584 16693 01478 32270 48923  
 12362 89024 87802 74456 73829 37539 97094 58711 05059 48449  
 50367 43191 40594 04609 87547 30826 86570 69095 61007 43417  
 26668 08712 21838 96746 16436 59393 15596 23060 14445 75678  
 = = 431 431 50 50 00000

**18041 kHz, 13-03, 0500 UTC**

952 760 760 50 50 = =  
44839 55771 81691 36585 07352 16927 39728 34444 66960 26206  
40622 03112 89772 30125 71917 30083 37172 30115 88295 01443  
77926 36783 51660 46016 27729 61390 57252 09711 39626 61716  
31740 89711 93752 84509 14219 83228 59830 71710 56058 30487  
30850 22624 00537 56636 51387 29241 28192 42279 88980 26894  
= = 760 760 50 50 00000

**5946 kHz, 13-03, 1820 UTC**

346 354 354 42 42  
46626 42621 42179 59175 62161 27954 62746 25627 62642 31975  
41945 95432 51735 39752 09079 09750 29752 56752 19429 95797  
17597 95795 97594 56346 12745 79576 56459 79456 57945 41626  
51795 95175 97597 56564 57959 71790 19041 63426 14767 45567  
46521 79541  
354 354 42 42 00000

**18041 kHz, 19-03, 0500 UTC**

952 316 316 50 50 = =  
36054 82852 21254 75644 86306 92064 02646 87295 08163 20037  
39403 72646 28182 13715 11929 37103 65366 02945 18648 93764  
65063 88749 11135 07797 64605 90294 22694 08101 95384 73983  
07587 52196 51031 13123 33094 55270 76399 51581 91593 19319  
57035 69905 24844 23330 13829 77296 77668 60433 32519 77922  
= = 316 316 50 50 00000

**18041 kHz, 20-03, 0500 UTC**

952 740 740 55 55 = =  
96207 78527 17794 42306 80114 42105 25315 75259 57475 71071  
76954 47477 88547 75870 45705 02792 61908 21439 41479 91921  
11884 58086 84252 31909 84503 95044 90581 32460 37941 46391  
21935 31362 88349 04012 68280 06171 37062 17306 65368 54356  
40057 84322 69135 59094 05669 84000 35680 82886 31438 04217  
80241 56200 16072 45320 13620  
= = 740 740 55 55 00000

**8096 kHz, 20-03, 0550 UTC**

736 707 707 23 23  
34256 76845 89056 76834 89723 56723 78923 10201 78912 89032  
89034 56775 89034 12367 89326 89008 34512 76675 10101 78934  
56564 89043 77277  
707 707 23 23 00000

**18041 kHz, 23-03, 0500 UTC**

952 860 860 50 50 = =  
62838 71875 44401 94242 57089 52328 22644 15260 60685 10428 51513  
40427 35453 53024 28907 52471 36203 35116 09476 97971 37418 11991  
59092 28424 82285 03186 68387 36703 08799 41700 92563 24885 32581  
06899 09673 64344 91144 64545 14523 34080 79262 62401 90427 48197  
30J36 54829 25975 08492 22055 54838  
= = 860 860 50 50 00000

**17458 kHz, 25-03, 0930 UTC**

617 234 234 105 105 = =

42817 80276 45500 09020 60607 00158 27214 32451 36847 09502  
85189 02303 10829 33627 12864 44401 18188 77482 79482 12983  
43075 90512 90059 45925 60353 29465 11265 15423 93934 51933  
20753 34833 72873 89728 50023 12748 03818 14623 48852 97008  
71231 36776 15296 35124 57682 59731 20341 97529 94820 36681  
15799 30975 75200 70170 80807 72030 36539 30119 89335 74261  
20284 32416 31148 90228 39460 88006 79965 79012 86222 20307  
58014 53718 73749 90182 80710 41899 66421 59538 95240 68594  
77183 31892 88592 52273 64089 38444 51227 08552 77009 21607  
57737 21282 52709 56625 05593 03527 88891 72802 10960 83204  
90206 10423 13234 43876 87874  
= = 234 234 105 105 00000

**18041 kHz, 26-03, 0500 UTC**

952 731 731 55 55 = =

94761 31410 68937 12609 59092 97010 63447 51560 55303 32496  
48876 97916 79146 91996 47713 98278 09398 73277 43189 15848  
72305 33721 27955 17561 95975 56019 01288 03886 78138 80761  
00780 10993 15739 48104 79425 39974 69763 15704 64069 92790  
63781 45120 56126 19665 39592 73847 60535 07569 18457 15195  
53866 64520 41321 53170 27526  
= = 731 731 55 55 00000

**5939 kHz, 27-03, 1820 UTC**

346 613 82 82

76251 82420 63321 84762 90001 63191 53772 48291 80345 76619  
37281 44882 00655 27163 85524 04072 74541 73392 56012 31062  
63880 93652 61710 87201 85491 63881 42608 90701 40027 55217  
63381 93671 53122 70436 62117 70239 55411 61901 63888 92441  
53790 84151 39959 00466 72261 84255 05003 77282 56201 60942  
52771 43902 33735 72431 88465 72209 00512 31210 62091 50544  
60011 74109 62420 52883 74507 54637 23110 63908 52260 74091  
52081 43309 70551 10103 40622 82146 70336 42801 63035 62091  
76351 82240  
613 613 82 82 00000

**5463 kHz, 28-03, 1820 UTC)**

537 518 518 86 86

32498 53900 12865 21208 51810 31717 42954 41665 86113 42421  
98900 84532 42814 26690 00343 00343 51926 33664 76712 81624  
58500 54119 10200 37901 42338 15271 63498 61772 54718 32991  
84721 36519 48264 33876 29237 50630 53732 53732 11737 34890  
24351 27136 54373 29890 80740 30012 45123 54819 90601 25934  
27579 41734 53890 72189 41612 91078 01276 53890 03048 42518  
53900 02561 53718 59341 47816 89162 73349 64172 45161 83901  
01561 73282 52400 71098 58512 63901 02074 64570 29078 80829  
52727 86241 53712 63490 82310 20943 57286 61220  
518 518 86 86 00000

**18041 kHz, 29-03, 0500 UTC**

952 474 474 60 60 = =

31857 60379 48927 15167 76904 08572 45703 69785 29608 87229  
00128 74840 55796 03881 17720 63278 44395 99140 56402 73988  
11311 34829 11783 92517 96756 49392 37983 73918 73231 66538  
34566 96157 06334 68030 54272 17536 35581 66583 11236 36543  
67457 39792 94388 77587 97831 11037 15716 51066 05982 88289  
48068 61152 87367 96778 32215 59802 17374 66435 57813 70381  
= = 474 474 60 60 00000

**18041 kHz, 30-03, 0500 UTC**

952 810 810 50 50 = =  
 49617 27620 71838 72272 37785 40177 41947 03075 11345 97035  
 28082 25674 97529 61782 60262 25589 76061 68637 62689 64330  
 31995 05456 62504 91935 62187 64794 38881 61181 90059 36489  
 79633 79377 68348 40160 37535 58705 74538 21111 03529 51025  
 28650 58034 39023 78095 88083 55974 34451 93139 99919 22984  
 = = 810 810 50 50 00000

**M21 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)**

|                             |                                                 |
|-----------------------------|-------------------------------------------------|
| 3996 kHz, 06-03, 1518 UTC   | =99?1817?9????? =99?1819?9????? =99?1821?9????? |
| 5020.5 kHz, 07-03, 1753 UTC | =992053??8?????                                 |
| 5020.5 kHz, 21-03, 1700 UTC | =992000??8????? =992001??8?????                 |
| 5020.5 kHz, 21-03, 2134 UTC | =990034??8????? =990035??8????? =990036??8????? |
| 5020.5 kHz, 27-03, 1949 UTC | =992249??0????? =992250??0????? =992251??0????? |
| 4391 kHz, 06-03, 2307 UTC   | =990207??0????? =990208??0????? =990209??0????? |

**M89 - Chinese military****4120 kHz, 05-02, 1105 UTC, i.p.**

NMKS = = C233 TO B799 AR K K  
 C R GA K (Other station also on this frequency)  
 NR F = = ACF5/.RBC AR K K  
 CR QSL 1902 K  
 CR HR F GA K  
 NR GA K K  
 CR F NR NR 152/EX TIME 1903 RMKS = B799 TO C2.3 AR K  
 NR GA K K  
 CR F = =  
 CD34/AB12 III =  
 CD34/AB12 AR K  
 NR I  
 NR QSL 1905 K K  
 CR 7G GA K  
 NR NR HR 7G NR C EEEEEEE  
 R R HR 7G NR NR 099 CK CK 91 74 0305 09MT EEEEEEE  
 NR HR 7G NR NR 099 CK CK 91 74 0305 1906 NMKS = C233 TO B799 AR K K  
 CR GA K  
 NR 7G = =  
 AU43 D6NU T5AN 46U. 7ND5 TU64 AU74 64N3 DT7A T7NU TAT6 (Cont'd)  
 AR K K  
 RR RPT 60W K  
 NR RPT 60W = = 5UNT AR K K  
 NR QSL 1915 K  
 NR  
 NR HR 7G GA K  
 R K  
 NR GA K K  
 NR 7G NR NR 153 CK 91 74 0305 1916 RMKS = B799 TO C233 AR K  
 NR A RR 7G GA K K  
 MSG = =  
 5UN6 T74T D354 TN67 TUD3 D564 AN7T U345 67DN (Cont'd)

**5511 kHz, 05-03, 1125 UT, i.p.**

VV FF NR 119/EX TIME 19.. RMKS = C433 TO C533 AR K  
NR GA K (Both stations on this frequency)  
NR F = A1.2/ EEEEEEE FF = AU EEEEEEE  
RRR F = AJB2/C3D4 AR K  
RR QSL 19.. K  
R QSL 19.9 K  
R R QSL 1909 K  
NR GA K  
R 7G GA K  
7G GA K  
R R GA K  
R F  
VVV VVV

**5202 kHz, 06-03, 0931 UTC, i.p. QSX on 5370 kHz**

SUI9 (x3) de 8RQD (x2) V  
SUI9 de 8RQD V  
CL  
DE  
9TUE QSA 2 QSA ? K  
NIL SK  
GB  
CL  
DE  
D6NY QSA 2 QSA ? K  
NIL SK  
GB  
CL  
DE  
RTK6 QSA 2 QSA ? K  
NIL SK  
GB  
CL  
DE  
RYS5 QSA 3 QSA ? K  
NIL SK  
GB  
CL  
DE  
DE UT2P  
KP1G QSA 2 QSA ? K  
QSA 2  
NIL SK  
NIL SK  
GB  
DE  
SF6R QSA 2 QSA ? K  
SF6R K  
QSA 1 QSA ? K  
NIL SK  
GB  
CL  
DE QA4F K  
R FPD4 QSA 2 QSA ? K  
QSA 2  
NIL SK  
GB  
CL

**4870 kHz, 07-03, 0938 UTC, i.p.**

V M8JF M8JF M8JF DE RIS9 RIS9  
MSG NR 0307 CK 97 40 0307 1740 RMKS 6545 TO 1033 6805 5905 =  
7365 4AT3 ANDT T76U T544 T4TA 7537 D4UT T3UT TA3D 37NU (Cont'd) AR  
MSG NR 0307 CK 97 40 0307 1740 RMKS 6545 TO 1033 6805 5905 =  
7365 4AT3 ANDT T76U T544 (Cont'd) AR  
V M8JF M8JF M8JF DE RIS9 RIS9

**6580 kHz, 13-03, 0749 UTC, i.p.**

CF/BD AR  
RPT K  
OK  
OK GA  
OK P55. K  
R MSG GA  
NR NR 548/EX CK 99 0503 13 EEEEE 1552K  
OK  
RPT NR K  
OK QSL 1605 K  
HR WK NR 12 K  
403K OK SK GB

**6782 kHz, 13-03, 0727 UTC, i.p.**

ALL CY  
MSG NR 1306 CK 25 15 0313 1527 =  
5NU4 57T3 6NA7 54NU 735T 7UAD 43DT 3DUT AU35 57D6 UD37 (Cont'd) AR  
UR.M QSL ? K  
R RPT 08W = 3DUT AR K  
RPT 17W = 3A5N AR K  
R OK K  
7... QSL ? K  
R RPT NR 1306 K  
R RPT K  
R OK K  
MVG5 QSL ? K  
R OK K

**6864 kHz, 13-03, 0716 UTC, i.p.**

RMKS CQ =  
AKS4/M5N AR  
NR 1001/EX 1513 RMKS CQ =  
AKS4/M5N AR  
VV PQ58 PQ58 DE 4S63 K  
QSL ? K  
R QSL ? K  
R QSL ? K  
F F NR 1001/EX 1513 RMKS CQ =  
AKS4/M5N AR K  
R KP K  
KP K  
AS AS  
VVV 9XQF DE VSB3 K



## M90

### 3316 kHz, 27-03, 0636 UTC

XVSQ wkg 10 outstations: CQXJ, W2TX, DNSF, TSXS, V7Z6, K6ZJ, SVNX, MXV5, PJP6, E5BJ.

Collective c/s HR3H

Comms checks and messages

### 4193 kHz, 27-03, 0716 UTC

H6LX H6LX H6LX AR

H6LX H6LX H6LX AR

H6LX H6LX H6LX AR

## M95

### 4243 kHz, 05-02, 1150 UTC, i.p.

V V V V V V V HR 7G TO YR PSE CY

NR 083 CK 24 35 0305 1502 =

5TD U. TT5 3U6 7TA N44 (Cont'd) AR

A HR 7G GA

NR 10 CK 143 35 0305 16.3 =

UTU TT. 3U6 3A4 TTU 773 35A U4T 353 (Cont'd) AR

A HR 7G GA

NR 081 CK 15 35 0305 1655 =

UT5 TT5 3U6 3A4 TTA TTU TT3 773 356 4T3

33U 4A7 446 4D6 3DU AR

A HR UP SB WK AR AR

### 4243 kHz, 20-03, 1117 UTC, i.p.

0320 1530 =

AHR 7G GA

NR 40 CK 148 35 03020 1618 =

AHR MSG GA

NR 039 CK 19 35 0320 1621 =

343A U3333333 33 AHR UP SB WK A BBB A

NR 013 CK 2. 35 032 20 15.30I

### 4243//9054 kHz, 30-03, 1146 UTC

V V V V V V V HR MSG TO YR PSE CY

NR 033 CK 17 35 0330 1546 =

5TD UTT T3T 3U6 3A4 356 4TN U7U N4A 445

3DA TTU TT3 773 446 3DU 4D3 AR

MSG AGN

NR 033 CK 17 35 0330 1546 =

5TD UTT T3T 3U6 3A4 356 4T U7U N4A 445

3DA TTU TT3 773 446 3DU 4D3 AR

A HR MSG GA

NR 60 CK 158 35 0330 1603 =

UTU T3T 3U6 3A4 TTU 773 (Cont'd) AR

MSG AGN

NR 60 CK 158 35 033 01603 =

UTU T3T 3U6 3A4 TTU 773 (Cont'd) AR

A HR MSG GA

NR 069 CK 19 35 0330 1643 =

UT5 T3T 3U6 3A4 TTA TTU TT3 773 (Cont'd) AR

MSG AGN

NR 069 CK 19 35 0330 1643 =

UT5 T3T 3U6 3A4 TTA TTU TT3 773 (Cont'd) AR

A HR UP SB WK

**4364 kHz, 30-03, 1138 UTC**

V BNGC (x3) DE XSV85 (x2)

HR MSG GA HR MSG GA

NR NR 0298 CK 204 35 0330 1544 AR

NR NR 0298 CK 204 35 0330 1544 = =

03T 3U6 3AN 3U7 TAU 773 TA7 773 TU4 773 356 (Cont'd)

**UM03 – Chinese X2M net****8410 kHz, 07-03, 0903 UTC, i.p.**

AR

11 11 CK 100 CK 100 TIME 1603 TIME 1603 DATE 0703 DATE 0703 =

U7D45 D43AN 73.T6 N5A7U 4U5A7 D4T75 (Cont'd)

**8250//8410 kHz, 13-03, 0739 UTC, i.p.**

OEGVX ZILPG MNWFG IGJYS FJDHQ ... AR

15 15 CK 100 CK 100 TIME 1442 TIME 1442 DATE 1303 DATE 1303 =

RGIXA JYAPH TVKMB KNCET (Cont'd)

**4390 kHz, 20-03, 1110 UTC. Just copied the end.**

K

QRU QRU S78 75778 SK SK

**UM10 - 10-minutes net**

3326 kHz, 05-03, 1957 UTC U34D //3326 kHz

3326 kHz, 06-03, 1421 UTC U34D //4112 kHz

4112 kHz, 12-03, 1524 UTC U34D

3326 kHz, 16-03, 1956 UTC U34D //4112 kHz

**DIGITAL MODES****HM01 - Dirección General de Inteligencia**

Still repeating the groups from 9 Feb. Distorted sound. New groups on 9 March.

**17480 kHz, 08-03, 2202 UTC**

Late start. Series of 2's, then series of 1's followed by a Windows error sound.

At 2212 UTC again series of 1's, followed by a mess of numbers.

Finally at 2213 UTC: 15213 86101 55765 40731 38366 28651. A repeat of 10 Feb.

**9240 kHz, 09-03, 0845 UTC. Should be on 9065 kHz**

First new groups since 9 Feb. Audio back to normal.

66012 17241 10803 16171 10125 67090

The following files were sent in RDFT. Decoded with DIGTRX.

01041617.TXT

20511724.TXT

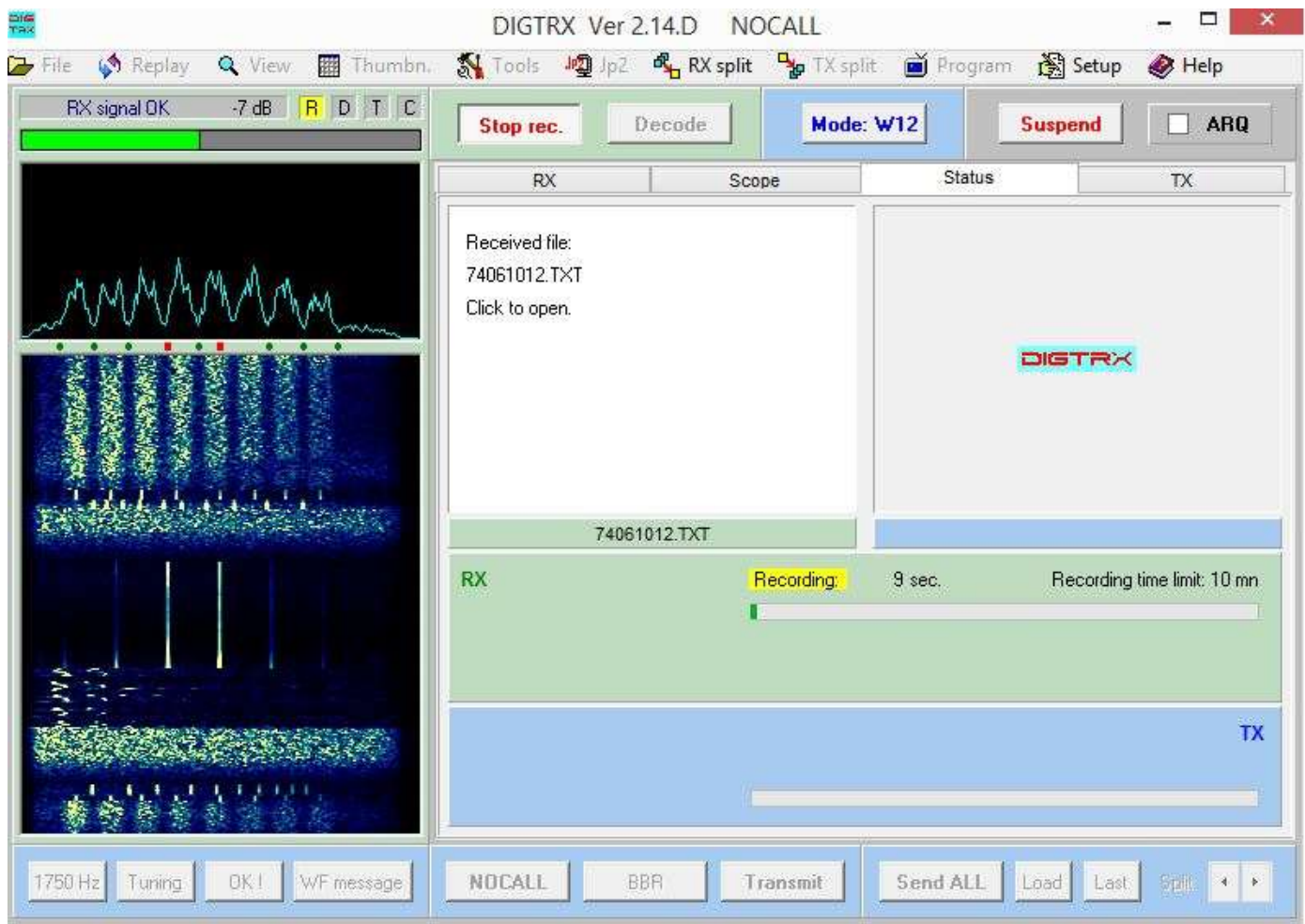
46251080.TXT

50416601.F1C

57856709.TXT

74061012.TXT

You can download the files from the N&O website: <http://www.numbersoddities.nl/RDFT-2018-03-09.zip>



#### 11435 kHz, 09-03

1600 UTC Not heard.  
 1630 UTC "Dos Dos Dos" then dead air  
 1646 UTC "66013" nothing more

#### 11530 kHz, 09-03

1702 UTC "Dos Dos Dos" then dead air  
 1726 UTC 66013 17241 10804 16172 10126 31640. Lots of Windows errors sounds in background.

#### 10345 kHz, 11-03, 0559 UTC 66014 17242 10805 16173 10127 31641

Files sent in RDFT. Decoded with DIGTRX:

50416601.F1C  
 20511724.TXT  
 46251080.TXT  
 01041617.TXT  
 74061012.TXT  
 28563164.TXT

You can download the files here: <http://www.numbersoddities.nl/RDFT-2018-03-11.zip>

#### 11435 kHz, 10-03, 1559 UTC

Radio Habana Cuba until 1603z then 66014 17242 10805 16173 10127 31641  
 Poor and doubling over itself about 5 seconds out of phase

As per 1 March, MKD2 will be writing a monthly update on HM01's activity. Welcome aboard and thanks for the report !!!

#### Intro by MKD2:

Since getting an SDRplay, I have been able to use DIGTRX to receive the RDFT files sent on HM01 transmissions. Starting on January 3, I have tuned into HM01 every day (most often at 1700 on 11530 kHz, but sometimes other times and frequencies). HM01 is known to start it's broadcast day with the 1600 transmission on 11435 kHz, in which the repeated number groups change by one digit (e.g., if they had a number group 12345 previously, it will be 12346 today)\*, and any new number groups and associated RDFT files are first introduced. All subsequent transmissions through the 1000 UTC one at 9155 or 12180 kHz (depending on the day of the week) broadcast exactly the same number groups and RDFT files. So the 1000 UTC transmission is the last of the HM01 day, and the 1600 one is the first of the new HM01 day.

\* There's an exception to the rule. The first day a group is transmitted, the number group ends in 1. But on the second day, it still ends in one, and the final digit only begins to increase by +1 starting on the third day.

DIGTRX receives the RDFT files and saves them at .txt files, although sometimes they come in a binary format with .f1c as the file extension.

All transmissions received in Denver, CO, USA using an SDRplay RSP2pro and a W6LVP active loop antenna

**Format:** Date (DDMMYYYY): Numbers: File name or repeat: Frequency (kHz) and time (UTC)

|            |       |                |            |
|------------|-------|----------------|------------|
| 01/03/2018 | 15213 | 18321521.txt * | 11635 1800 |
|            | 86101 | 14218610.txt * |            |
|            | 55765 | 37205576.txt * |            |
|            | 40731 | 53624073.txt * |            |
|            | 38366 | 50343836.f1c * |            |
|            | 28651 | 07482865.txt * |            |

\* First transmitted in February 2018. These are repeat transmissions.

Broadcast was on 11530 1800-1806 before QSY'ing to 11635, it's normal frequency for this time.

HM01 has been transmitting the same number sets and files every day since 09 February, and the audio has been distorted as with heavy reverb since 12 February.

|            |       |        |            |
|------------|-------|--------|------------|
| 02/03/2018 | 15213 | repeat | 11435 1600 |
|            | 86101 | repeat |            |
|            | 55765 | repeat |            |
|            | 40731 | repeat |            |
|            | 38366 | repeat |            |
|            | 28651 | repeat |            |

Oddities:

Carrier on at 1559. About 10 seconds of RHC 1559:40-1559:50. RHC 1600:13-1600:18. RHC 1600:46-1600:40. RHC 1601:06-1601:11, 1601:16-1601:20, 1601:25-1601:46. Carrier off 1603:43-1603:45. Two Windows noises, 1604:55 and 1604:56. HM01 finally on in middle of RDFT transmission at 1605. The reverb effect has shifted into a more delayed echo.

|            |       |        |            |
|------------|-------|--------|------------|
| 03/03/2018 | 15213 | repeat | 11435 1600 |
|            | 86101 | repeat |            |
|            | 55765 | repeat |            |
|            | 40731 | repeat |            |
|            | 38366 | repeat |            |
|            | 28651 | repeat |            |

Same since 09 FEB.

|            |       |        |            |
|------------|-------|--------|------------|
| 04/03/2018 | 15213 | repeat | 11435 1600 |
|            | 86101 | repeat |            |
|            | 55765 | repeat |            |
|            | 40731 | repeat |            |
|            | 38366 | repeat |            |
|            | 28651 | repeat |            |

Same since 09 FEB.

|            |       |        |            |
|------------|-------|--------|------------|
| 06/03/2018 | 15213 | repeat | 11435 1600 |
|            | 86101 | repeat |            |
|            | 55765 | repeat |            |
|            | 40731 | repeat |            |
|            | 38366 | repeat |            |
|            | 28651 | repeat |            |

Same since 09 FEB.

|            |       |        |            |
|------------|-------|--------|------------|
| 07/03/2018 | 15213 | repeat | 11435 1600 |
|            | 86101 | repeat |            |
|            | 55765 | repeat |            |
|            | 40731 | repeat |            |
|            | 38366 | repeat |            |
|            | 28651 | repeat |            |

Same since 09 FEB.

|            |       |        |            |
|------------|-------|--------|------------|
| 08/03/2018 | 15213 | repeat | 17480 2200 |
|            | 86101 | repeat |            |
|            | 55765 | repeat |            |
|            | 40731 | repeat |            |
|            | 38366 | repeat |            |
|            | 28651 | repeat |            |

Same since 09 FEB.

NOTE: ALL NEW NUMBERS AND FILES WERE TRANSMITTED LATER IN THE HM01 BROADCAST DAY\* AS REPORTED BY ARY B.  
<https://www.hfunderground.com/board/index.php/topic,40954.0.html>

|            |       |              |                    |
|------------|-------|--------------|--------------------|
| 08/03/2018 | 66012 | 50416601.fic | 9420 0900 (09 MAR) |
|            | 17241 | 20511724.txt |                    |
|            | 10803 | 46251080.txt |                    |
|            | 16171 | 01041617.txt |                    |
|            | 10125 | 74061012.txt |                    |
|            | 67090 | 57856709.txt |                    |

|            |       |                |            |
|------------|-------|----------------|------------|
| 09/03/2018 | 66013 | repeat         | 11530 1700 |
|            | 17241 | repeat         |            |
|            | 10804 | repeat         |            |
|            | 16172 | repeat         |            |
|            | 10126 | repeat         |            |
|            | 31640 | 28563164.txt** |            |

\*\* all new number set and file, taking the place of a number set that ended in 0. Highly unusual.

|            |       |        |            |
|------------|-------|--------|------------|
| 10/03/2018 | 66014 | repeat | 11435 1600 |
|            | 17242 | repeat |            |
|            | 10805 | repeat |            |
|            | 16173 | repeat |            |
|            | 10127 | repeat |            |
|            | 31641 | repeat |            |

1600 RHC audio, cut off at 1601, unmodulated carrier at that point.

1602 two distinct audio feeds of HM01. Same broadcast, one about 7.6 seconds delayed from the other. This was still the case as of 1609 when I posted this update.

|            |       |        |            |
|------------|-------|--------|------------|
| 11/03/2018 | 66015 | repeat | 11435 1600 |
|            | 17243 | repeat |            |
|            | 10806 | repeat |            |
|            | 16174 | repeat |            |
|            | 10128 | repeat |            |
|            | 31642 | repeat |            |

|            |       |              |            |
|------------|-------|--------------|------------|
| 12/03/2018 | 66016 | repeat       | 11435 1600 |
|            | 17244 | repeat       |            |
|            | 10807 | repeat       |            |
|            | 16175 | repeat       |            |
|            | 68181 | 57406818.txt |            |
|            | 31643 | repeat       |            |
| 13/03/2018 | 66017 | repeat       | 11435 1600 |
|            | 17245 | repeat       |            |
|            | 28431 | 82442843.txt |            |
|            | 16176 | repeat       |            |
|            | 68181 | repeat       |            |
|            | 31644 | repeat       |            |
| 14/03/2018 | 07311 | 47000731.txt | 11435 1600 |
|            | 17246 | repeat       |            |
|            | 28431 | repeat       |            |
|            | 16177 | repeat       |            |
|            | 68182 | repeat       |            |
|            | 31645 | repeat       |            |
| 15/03/2018 | 07311 | repeat       | 17840 2200 |
|            | 17247 | repeat       |            |
|            | 28432 | repeat       |            |
|            | 63041 | 28756304.txt |            |
|            | 68183 | repeat       |            |
|            | 31646 | repeat       |            |
| 16/03/2018 | 07312 | repeat       | 11435 1600 |
|            | 17248 | repeat       |            |
|            | 28433 | repeat       |            |
|            | 63041 | repeat       |            |
|            | 68184 | repeat       |            |
|            | 31647 | repeat       |            |
| 17/03/2018 | 07313 | repeat       | 11435 1600 |
|            | 53031 | 53525303.txt |            |
|            | 28434 | repeat       |            |
|            | 63042 | repeat       |            |
|            | 68185 | repeat       |            |
|            | 38421 | 87603842.txt |            |
| 18/03/2018 | 07314 | repeat       | 11435 1600 |
|            | 3031  | repeat       |            |
|            | 28435 | repeat       |            |
|            | 63043 | repeat       |            |
|            | 68186 | repeat       |            |
|            | 38421 | repeat       |            |
| 19/03/2018 | 07315 | repeat       | 11635 1800 |
|            | 53032 | repeat       |            |
|            | 28436 | repeat       |            |
|            | 63044 | repeat       |            |
|            | 68187 | repeat       |            |
|            | 38422 | repeat       |            |

|            |       |        |       |      |
|------------|-------|--------|-------|------|
| 20/03/2018 | 07316 | repeat | 11435 | 1600 |
|            | 53033 | repeat |       |      |
|            | 28437 | repeat |       |      |
|            | 63045 | repeat |       |      |
|            | 68188 | repeat |       |      |
|            | 38423 | repeat |       |      |

|            |       |        |       |      |
|------------|-------|--------|-------|------|
| 21/03/2018 | 07316 | repeat | 10715 | 2200 |
|            | 53033 | repeat |       |      |
|            | 28437 | repeat |       |      |
|            | 63045 | repeat |       |      |
|            | 68188 | repeat |       |      |
|            | 38423 | repeat |       |      |

REPEATING 20 MARCH'S NUMBERS AND FILES

|            |       |        |       |      |
|------------|-------|--------|-------|------|
| 22/03/2018 | 07316 | repeat | 11530 | 1700 |
|            | 53033 | repeat |       |      |
|            | 28437 | repeat |       |      |
|            | 63045 | repeat |       |      |
|            | 68188 | repeat |       |      |
|            | 38423 | repeat |       |      |

REPEATING 20 MARCH'S NUMBERS AND FILES

|            |       |        |       |      |
|------------|-------|--------|-------|------|
| 23/03/2018 | 07317 | repeat | 11435 | 1600 |
|            | 53034 | repeat |       |      |
|            | 28438 | repeat |       |      |
|            | 63046 | repeat |       |      |
|            | 68189 | repeat |       |      |
|            | 38424 | repeat |       |      |

ADVANCING FROM 20 MARCH'S NUMBERS. Getting back on track.

|            |       |              |       |      |
|------------|-------|--------------|-------|------|
| 24/03/2018 | 07318 | repeat       | 11435 | 1600 |
|            | 53035 | repeat       |       |      |
|            | 28439 | repeat       |       |      |
|            | 63047 | repeat       |       |      |
|            | 85261 | 50758526.f1c |       |      |
|            | 38425 | repeat       |       |      |

|            |       |              |       |      |
|------------|-------|--------------|-------|------|
| 25/03/2018 | 71871 | 74857187.txt | 11530 | 1700 |
|            | 53036 | repeat       |       |      |
|            | 86321 | 86078632.txt |       |      |
|            | 63048 | repeat       |       |      |
|            | 85261 | repeat       |       |      |
|            | 38426 | repeat       |       |      |

|            |       |        |       |      |
|------------|-------|--------|-------|------|
| 26/03/2018 | 71871 | repeat | 11435 | 1600 |
|            | 53037 | repeat |       |      |
|            | 86321 | repeat |       |      |
|            | 63049 | repeat |       |      |
|            | 85262 | repeat |       |      |
|            | 38427 | repeat |       |      |

|            |       |              |       |      |
|------------|-------|--------------|-------|------|
| 27/03/2018 | 71872 | repeat       | 11435 | 1600 |
|            | 53038 | repeat       |       |      |
|            | 86322 | repeat       |       |      |
|            | 55631 | 86285563.txt |       |      |
|            | 85263 | repeat       |       |      |
|            | 35551 | 85153555.txt |       |      |

|            |       |              |                     |
|------------|-------|--------------|---------------------|
| 28/03/2018 | 71873 | repeat       | 11435 1600          |
|            | 53039 | repeat       |                     |
|            | 86323 | repeat       |                     |
|            | 55631 | repeat       |                     |
|            | 85264 | repeat       |                     |
|            | 35551 | repeat       |                     |
| 29/03/2018 | 71874 | repeat       | 10860 0500 (30 MAR) |
|            | 36551 | 45173655.txt |                     |
|            | 86324 | repeat       |                     |
|            | 55632 | repeat       |                     |
|            | 85265 | repeat       |                     |
|            | 35552 | repeat       |                     |
| 30/03/2018 | 71875 | repeat       | 11435 1600          |
|            | 36551 | repeat       |                     |
|            | 86325 | repeat       |                     |
|            | 55633 | repeat       |                     |
|            | 85266 | repeat       |                     |
|            | 35553 | repeat       |                     |
| 31/03/2018 | 71876 | repeat       | 11435 1600          |
|            | 36552 | repeat       |                     |
|            | 86326 | repeat       |                     |
|            | 55634 | repeat       |                     |
|            | 67461 | 63806746.txt |                     |
|            | 35554 | repeat       |                     |

## ***F01, F06, F06a, M42, M42a, M42b & X06***

### *Russian Government & Intelligence*



### **M42 – various modes**

|                                         |                              |
|-----------------------------------------|------------------------------|
| 8126 kHz, 03-03, 1444 UTC, MFSK-66      | Russian diplo/intel. i.p.    |
| 9350 kHz, 14-03, 0850 UTC, MFSK-16      | Russian diplo/intel.         |
| 9360 kHz, 14-03, 0846 UTC, MFSK-16      | Russian diplo/intel. i.p.    |
| 13538 kHz, 14-03, 1010 UTC, FSK 100/500 | Russian diplo/intel. Message |
| 16103 kHz, 08-03, 1535 UTC, CW          | Russian diplo/intel clg UDM  |



#64646464646464646464646464646464646464646464646  
IT7Z1110 ,17000000 0059 05-5555  
36--1+038#.56=1))\$? 54568 85540 96521 36774028787 21924  
28592 95349 -69\$&2-3 82'- 6867))8213 00121 62885006539  
85388 3563 82782 96290 73714 72867 916)'=925 7390682#01  
63266 18474 75372 38806 575.'#16920 20738 42943 '?6&?.!:!,!24-  
.006 91267 60075 5912-9?2836615 49427065541 3+194  
2++90 3)323 1 492 86705 76530 65097 77283 29796 73571 42655  
58603 6856- 4802 75488 45541 39141 46824 28133 70 ,38.#131  
6941 20079844950 6554 4664 0'9#1 0 &72-' +419#773 2  
8I7# 24610 72553 40612 -9-08 \$9,32 6048 43280 72492 97294  
67335 32836 3692 90970 94355#899.1 10311 24950 49926 42EPO  
OOEE RTPWW IYUQW YIRRQ YURPQ TPWOR IEPTW WXMWOSA QXJBBZA  
GZBOKOWSRWRWLRLRWBLWQLZEPIWI UUIII WYPEI ETWWE EWRQY H91  
29384 73306'3601 73757 29182 24325 13684 6#36 13661 48706  
50331 90374 31168 80200)=42&8&2960 72')-&6 25901 0.764  
452+0 66889 89344)/1:9 92112 11760 5(# /27+0!6391#1071\$+\$4  
&5)&9579 +5 42989 .58/6&?860 81295 36223 78443 33959  
306092?64\$ 91/'/(4(.17+&45-1#+37371050605 98888 7+5.1  
-8233 25 7 89607 79994 155)1 .112)45141 31898 91976 74046  
626)33 7&6035 77931 79593 25269 46384 459) 85)10 45193  
5)!2 36622 54316 86023 77227 &3205 48615 74721 114'9 62466  
54328 814+3 67967 35432 16579 89866 )?? 80622 47345) ! 4'35  
9075 30620 45189 6&308 45890 81563 53858 81562 56581#+89=51  
302+83204 33368 50431 66573 44853 15152 6 013 91319  
59480 39447 55287 84913 46022 35154 92322 16644 72499 96907  
23903 53215 17527 19092 5++56 47'12 24980 3)'''26433  
+45195 10442 9007/6,9 0873 26287 56026 64389 63607 93836  
)2!0 29859 367' 62743 36504 96549 49650 10407 39764 57178  
19499 33289 70672 15577 27394 87106 50773 27836 26908 82207  
68709 23284 48494 14736 77673 1024+ 61509 80663 81368 25045  
331#1"\$01+057#41359 20236 17779 64648 10833 25320&'2/1  
25329 51)+43165 19334 29390 326190/)2- 59987 518&&8 0983  
77518 23170 66#)8 2104?0/'E YEoir QEowe OITIZurwWPLP1  
-93630 7.-4 25037 68951 81469 46! 4'78 28650 73533 2='- '622/  
65408 93332 62020 83624 55914 58876 25426 9689820'96"  
836882927 17320 49640 1055# 7151 & 964 99532 35525 76066  
4316'04'11+72046 21472 53493 90696 85005 14206 28738 40414  
97538 24665 92435 71162 70580 41311 86589 57479 57706 15186  
69027 54827 26332 90488 51857 69858 23652 42438 50963 15766  
62435 59259 851710?22/ 63465 67855 51004 2 585 502.0)12167  
279166026 88-9,&6649819308 93943 6)- 84'3+#3)70 32)629  
88)9!)\$9+470+0 74563 33304&/46-) 820 571740'4630 13261  
10640 38549 71116 51645 47135 11407 53812&3')1 2,2. 32568  
32946 6+552#3=97 76653 45282 38005 67321 67866#16501#.9146  
(50265)64810 73649 24259#4.46.053739 58889 52731)4380 87439  
13848#./5 24574 1555 39137 30875 88265 624)6 53822 80583  
689 :83720 472\$1#11825 62''2'27 94405 16977 492- +5959  
(1396:4'619)57282 12365 4826?2)&&4 926 -?? 5,55 1-?2.)5:5  
35530#'9 4.017'28851 42897) 335&3051 44723 3790- 73=-!  
-0 22315 67406 60028 61531 2336/ 6357&015)06

**10467/8094/6779 kHz, 07-03, 1940/1950/2000 UTC**

Null message: )5761 00000+++++++162

### Exercise transcripts

**8117/10253 kHz, 13-03, 1745/1755 UTC**

91342 85781 15704 31417 81418 72815 67525 14259 30361 50165  
 92810 50740 67807 98439 72625 69123 20109 06871 79186 01610  
 32683 25656 39150 37467 46906 26349 87315 09789 06398 15378  
 38512 13149 45136 76596 20967 24282 30312 43516 28621 63081  
 82868 42656 49016 58671 24949 15019 27171 63874 20341 25951  
 65393 60470 94141 91840 78059 89575 29150 87464 15247 65634  
 75126 86485 56760 46458 64615 10179 93927 80262 41760 74503  
 32372 56961 16458 16102 31904 43423 95052 72021 68378 19762  
 09756 19364 56535 65348 05961 60141 34631 18123 81254 02537  
 48429 57054 29818 72729 91435 90640 07135 21863 89167 80146  
 67926 96808 20679 18027 70736 71387 06537 27428 58708 79718  
 85289 28059 42986 80418 64363 85851 64923 49161 24313 67547  
 28538 74638 46084 32129 43547 26034 20768 79626 60629 89269  
 43458 80254 40738 13516 18304 17167 63265 93090 03561 02367  
 83587 38914 94941 46165 50236 97856 34916 53103 24048 21878  
 06232 61651 31262 72051 96807 96985 64752 87393 91861 56450  
 45451 19784 38519 73615 06576 31459 21806 28929 20642 67637  
 14712 49320 34284 85269 32605 45603 38128 16384 85016 75318  
 81968 19675 51412 13263 43069 51286 61078 42472 81049 04291  
 58720 34750 58765 42101 56920 56039 73242 74853 09368 07840  
 95056 56234 28309 21785 71848 57892 91969 62547 14713 68052  
 68131 03517 46275 53905 84794 52814 90672 12454 27184 71869  
 85067 10981 13673 29280 31563 50791 98390 21782 17283 02045  
 14702 96981 12659 51045 21964 07235 00000

### Exercise transcripts

**7847/10306 kHz, 13-03, 14151425 UTC / 10306 kHz, 14-03, 1430 UTC**

90817 70912 25651 68421 98715 48363 59378 42057 61247 69137  
 50638 94292 47859 89724 82142 82924 30787 39871 70587 54050  
 73857 07534 13461 83071 17359 76720 21989 75321 65842 20741  
 32308 59076 19512 57973 53512 75758 \_\_\_\_\_  
 \_\_\_\_\_ 36751 57912  
 70838 57976 74681 49534 51915 56352 65256 70676 08067 95791  
 29195 13983 61059 72015 82909 57349 15034 35040 80797 02313  
 18967 57634 95387 86834 91421 71256 80636 36594 93851 42051  
 04693 72453 53489 10213 63858 42098 56123 92051 83571 70259  
 40452 65627 78136 83492 84717 71957 86259 28705 07083 92460  
 82915 58597 70538 36917 53830 67315 48478 24526 60546 67635  
 35412 45873 94353 65398 25420 53835 20903 12404 04938 63092  
 40580 03654 86149 45407 21767 78747 38720 79678 71584 23196  
 92313 07209 23161 03571 68984 89892 13076 16387 65743 80636  
 41301 28750 56345 48406 13627 81249 36549 71964 37495 36821  
 37956 34396 03025 34702 48025 84831 17362 40651 09735 81562  
 70375 07217 14121 85101 04548 89737 06791 29025 57412 72138  
 68465 82139 28597 65807 73878 36241 64019 24836 73976 13453  
 47101 58728 68946 81362 79586 24016 51753 16470 43635 39062  
 31764 03924 48432 16781 48934 93502 19176 05754 75027 06487  
 63548 53956 16101 56153 18645 24580 03607 80276 73170 62359  
 09035 26519 40725 02549 59678 21673 86383 83635 50418 24131  
 74150 68743 75363 57498 42301 47569 76424 38204 21281 06271  
 21927 61871 97531 52629 21842 78098 42912 42851 71759 83504  
 41061 62073 53725 25614 08583 19435 36020 04595 21402 12780  
 79245 82841 42175 05253 00000

### Exercise transcripts

**10363 kHz, 13-03, 1425 UTC, i.p.**

**10363 kHz, 14-03, 1420 UTC**

67852 54109 25676 72527 08930 14325 86901 28215 81624 96873  
26125 65456 61645 39861 15280 59293 65152 04396 80253 53780  
13838 04632 20815 58058 02792 38602 83951 68272 80583 46565  
02824 61986 34195 60671 16547 20210 94162 21514 08185 95251  
36265 25247 35383 09512 31052 06530 12053 36742 51039 67536  
89343 68495 74871 74167 02404 79692 78780 95074 93712 36728  
45867 90109 06720 45184 35102 32359 97321 13658 90178 23989  
78364 07832 46426 18676 16163 09129 74625 75437 83705 47159  
29109 51934 04796 54606 15280 28231 42326 08159 36437 75162  
65714 98704 85183 03260 37317 27268 06815 35873 74514 43198  
32573 52658 07528 68035 30461 59340 96575 19046 81493 13496  
10234 92145 90687 42684 38674 05258 91480 51267 29208 17323  
65736 41326 35650 27269 48616 93072 25403 20730 42427 98078  
85190 83078 21329 39408 32649 85412 56563 97398 37078 82576  
80489 94319 12781 64253 57851 60463 43497 85478 90704 25879  
71069 47569 32501 92591 30340 28203 78295 65769 13207 81829  
23210 65015 50569 54749 97253 50276 43021 95423 78402 10921  
50737 06383 46471 89126 90480 28719 80794 29062 01043 52927  
63560 53694 46510 84890 42152 69801 60951 72126 50319 64548  
24215 34239 60136 24352 23972 64316 86050 25279 50193 58285  
41029 03958 89016 59207 56594 74549 38693 19183 21702 20390  
65240 76163 37187 64696 75212 29285 12837 85627 94321 13081  
64581 41980 10319 93047 08384 01050 07018 35768 39187 45052  
71859 86505 53723 39845 43437 08465 91969 61523 47820 38373  
43450 61567 75942 46325 34139 94634 72585 40736 98710 18290  
24795 40763 81421 54087 38192 83136 57615 42093 30563 51453  
23238 74041 83173 31749 17514 49605 08074 10267 00000

### Exercise transcripts

**16296 kHz, 14-03, 1120 UTC**

65450 70796 09525 78518 02014 46030 64357 03891 84794 58190  
42590 87946 58709 86583 82846 51262 36860 91397 51231 35280  
81940 25131 41857 34968 15738 59645 76231 95705 80789 26914  
96837 46792 42404 95498 90267 06214 75732 83214 83157 78426  
84704 75739 46379 07549 14068 13058 06735 54092 12341 19216  
70949 04715 57407 80415 79205 46895 58782 76879 18285 95157  
15804 15032 86578 85807 36829 28251 01632 48346 98280 41310  
05980 15648 14058 73872 23797 12859 06257 93230 87847 28948  
84213 36761 68041 29286 95378 28546 49626 64869 37017 78642  
97186 75791 92305 87684 30274 05145 81214 51985 40924 95352  
01534 64132 39418 12081 06780 47312 04943 91871 62783 02578  
02943 12842 05697 42897 52387 69516 25236 59764 85142 78901  
30479 83162 67803 05845 93750 79279 50452 43148 23408 72962  
13486 82407 09059 86741 75927 61537 04150 16080 02051 56921  
74038 86962 80786 83417 26782 94090 62605 76964 81301 75391  
85906 10986 51672 71201 90828 69205 27420 38545 61456 72521  
35803 35603 16538 95892 98107 17165 00000

**20700/18726 kHz, 16-03, 2230/2240 UTC**

Notes by Danix:

- Serial number is no longer synchronized with the week number
- The 2230z TX replaced blocks 45 through 61 with " 554 . = =1 015 2"; no such defect noted at 2240z

11177 00116 37527 15015 02429

00000 92023 75922 89736 12931 94784 50361 06320 61554 76569  
 37452 54744 30786 88431 49206 89266 49504 87172 72261 06159  
 49091 77115 97767 36563 94812 93908 85096 38561 15984 81030  
 44447 63175 96217 85741 85975 38831 89643 33860 48889 77643  
 03092 54059 46922 47754 81289 36802 10511 08506 46258 62847  
 24062 99081 31103 40391 96933 80566 40046 26756 98728 29960  
 27613 21599 14910 75870 48042 96104 22205 52902 83804 09196  
 25449 93605 02943 51743 14694 22641 28892 88868 38333 80476  
 89068 79033 37326 52658 79604 10487 08624 79392 83017 89154  
 92574 99459 35708 19978 25349 02019 62120 73119 05677 40647  
 48582 60664 62896 07010 13772 64520 29099 45103 78860 46760  
 97597 85338 37937 87419 09885 84371 38097 99324 37122 02175  
 17417 11170 40851 66219 64808 10229 75646 37974 91706 08539  
 41541 55498 38522 27034 63633 44397 25890 24765 71333 85108  
 76350 80411 35934 15083 56599 07637 61506 50812 26910 42740  
 32803 70034 92742 52443 86089 22318 34224 51757 16981 33379  
 86704 84816 85219 96064 99089 31489 67737 12215 09040 13741  
 13032 17565 42217 24165 78592 73647 97221 63021 56500 34660  
 25895 06083 78210 58550 73823 07776 91190 89880 37069 21779  
 76271 58845 65684 88387 52450 57327 21349 41957 41221 62022  
 97435 61403 12779 81076 01025 19713 12068 74924 45912 89606  
 40945 46639 95213 09913 45857 33895 53860 33618 70511 03004  
 54249 99498 16393 34615 61722 92812 47863 77237 25376 81364  
 03585 09980 24901 20063 90838 73100 50318 01791 03594 84692  
 90303 15240 00000

**20700/18726 kHz, 23-03, 2230/2240 UTC**

11177 00116 27384 22016 01939

06022 84311 19000 25769 19876 51148 57669 14367 69760 90766  
 87766 53769 72640 75401 28015 20716 49535 11007 08164 14986  
 22523 27390 15069 79289 98936 36044 96641 98049 05501 60288  
 49834 49175 76242 55052 97768 12032 87463 80497 97513 78095  
 21327 33238 61609 19150 94968 24653 47471 40483 34615 54669  
 67564 30025 38505 66734 08081 53511 40118 57851 60912 49014  
 43251 32606 96808 67544 60553 91504 96743 09660 45828 68534  
 01778 08978 39725 02480 62656 63417 13082 90108 16788 21389  
 35412 27791 40478 76808 61452 59388 43505 93462 53200 09809  
 67214 48498 44196 80936 38950 17198 26759 39979 73504 19414  
 36422 76185 11306 44753 82735 37480 01645 83122 95546 31206  
 51944 68108 12988 68202 49815 64686 35742 40272 01619 49969  
 42023 68928 67353 59597 99052 10206 36948 40844 82427 79939  
 84080 59091 82876 84898 37071 96301 48666 61782 96594 37828  
 87604 91222 46023 98686 97268 89881 68048 44296 45547 05764  
 35373 28308 66971 93712 35702 60737 18476 89639 69756 05276  
 63243 60436 37494 29382 45432 24741 61687 04969 51602 22273  
 61007 23107 48018 73471 34424 64984 25727 44056 00403 20869  
 92354 81072 49923 66774 69609 95173 08543 94623 86270 76743  
 12475 16191 00000

**Exercise transcript: 9257/12154/16333 kHz, 14-03, 1200/1210/1220 UTC**

11166 30011 58901 13042 02559  
 62590 89596 01452 28040 74921 95298 79512 56329 56024 24923  
 81046 04507 29202 91631 38067 12808 05107 84631 84389 45208  
 98654 15793 92089 17859 49298 89071 75704 73437 21797 71273  
 28059 39106 95370 73465 20734 86461 34512 97638 54919 69342  
 91670 48616 94249 54172 73729 15906 43693 76706 25953 87051  
 61716 80161 19217 79694 91659 62748 19265 47432 72637 89848  
 67476 06496 93804 18474 42826 96495 83764 36742 19757 25406  
 95656 62542 73276 04571 27302 87564 50635 69042 72657 48139  
 27985 71385 02934 17695 03673 71398 46508 65916 14510 01492  
 12734 56978 75248 34645 13923 39768 81076 49387 39183 73296  
 98157 62128 46257 42984 31202 36419 43040 78567 91965 81054  
 78415 56975 94296 57361 49145 86173 84091 47941 31595 78403  
 49274 97380 79635 89402 05051 14052 21378 37218 75471 02070  
 37026 89065 70939 48350 82161 87670 30406 40570 98284 31634  
 26917 54585 18590 40289 27927 14687 76032 68971 41839 32821  
 76815 09618 09674 96719 75462 89354 37127 52129 71240 74346  
 46974 07597 09871 84026 50864 96323 70713 83610 01215 12395  
 03246 71269 75923 18493 94737 69295 68689 36745 92510 73834  
 85825 54015 09424 53927 96959 51930 94197 68375 49852 83434  
 73690 18362 41984 53051 56284 52617 28501 68203 42078 42706  
 58946 63428 58412 67967 28982 27820 53651 80103 19267 61805  
 10484 61051 95082 71905 24962 09247 36186 16864 09320 21016  
 05904 12767 82658 52092 45284 37273 68680 15436 03817 73625  
 61740 42028 10401 62396 67249 75272 26720 50597 69824 14516  
 81512 36950 97375 69616 91930 27323 56234 49731 32837 06078  
 83912 71603 29431 42253 00000

**Exercise transcript: 13373/10264 kHz, 14-03, 1610/1620 UTC**

11166 40034 36987 14001 02639  
 34268 12369 27503 82495 14374 18429 09519 96409 46837 74647  
 34640 39835 19539 49501 95632 28308 28970 98086 90734 36710  
 20406 29323 42717 04929 76804 10302 91676 04192 63927 18285  
 42689 47389 61941 87267 76181 49076 47139 08537 08649 73930  
 04392 95168 50690 21720 21893 49754 58450 45878 12746 70641  
 38794 03040 68170 68389 07080 37363 04805 90621 56768 06306  
 76287 68263 39127 64237 50984 51943 03756 25974 01015 23564  
 03906 32178 74372 50237 80170 80670 40952 43706 27294 06203  
 98406 36715 84649 81016 93691 98239 27872 35807 12948 56816  
 46103 13536 19727 15834 14032 98913 31481 57178 31937 51360  
 17895 07153 07584 67383 25125 30135 39048 97383 13049 49080  
 86076 05408 49394 09036 46062 51567 37427 65746 64198 09093  
 92680 52405 20603 26271 74941 73801 09326 63137 85313 52645  
 47484 17074 89595 37979 48358 65432 16072 17502 90323 86073  
 08092 03075 85057 05316 20217 86704 06348 32482 08468 48671  
 47235 72568 76323 63120 79328 08481 31581 86351 75910 24058  
 56854 93706 48328 60703 18184 92341 23415 37656 23450 14652  
 30403 28329 71389 24373 34210 30452 34707 98018 60670 34563  
 59567 78696 56862 29059 72397 03435 68170 85680 70607 84240  
 95628 68287 08403 26352 53403 26596 76175 53473 63212 83150  
 82142 31516 84185 07641 39731 85231 29805 17586 25427 79265  
 19304 87129 56463 83783 70318 05262 43626 38685 92326 40760  
 34265 42189 10318 24580 97872 61591 19579 34184 32317 82436  
 24860 93896 37546 42609 32167 91814 62039 29471 84140 56876  
 73718 47232 45675 81914 45830 85903 91532 50203 93580 01714  
 32141 15239 08281 70768 20503 84075 06940 56158 45404 75801  
 12686 01261 00000

Link 00000

### Exercise transcripts

#### 8065/5912/4043 kHz, 13-03, 1800/1810/1820 UTC

11100 00000 41273 12077 02209  
00848 22368 29438 09047 87866 08337 79960 96583 57878 08608  
75266 57216 53352 06410 60871 40385 05738 55250 60637 22004  
52690 08816 45020 39492 81965 84173 65835 59321 37903 37960  
55955 69267 51452 60251 17391 12563 79667 15790 46187 06126  
65615 87260 67572 10064 54626 00317 79803 40626 27834 35019  
30130 43813 38938 53394 71337 71805 65124 97792 72285 29417  
08085 39737 80887 82761 06073 83939 62976 47304 42927 57194  
65478 97496 65012 36809 77346 65189 42004 98277 86684 18994  
32456 86888 57492 41788 40095 42930 74493 48561 71772 35208  
29448 11771 33017 82549 47424 86412 22119 67980 76434 51979  
08687 75265 88896 13505 07620 02505 68346 28882 84419 32460  
79842 54626 52794 64314 47498 27294 50484 36542 87579 22728  
04242 95575 70613 60327 19914 89969 10926 44514 58563 94732  
07071 60608 84553 95525 81565 67274 96549 87411 93389 52740  
77366 67839 21668 46974 23604 28563 43981 07007 40994 76160  
57753 17584 16426 35866 18132 74339 02553 18382 90813 41673  
75940 54372 43251 02527 54693 26314 22673 42240 86477 52406  
94360 33674 42905 02209 38613 15799 81198 48714 29841 82916  
59071 86530 46232 26720 13782 70862 83416 98376 41271 56983  
70570 82809 36348 44883 12405 02379 79836 58780 05469 92147  
83640 16178 02204 13910 29655 66169 21193 01179 63457 01661  
27037 52326 28729 75207 28298 14041 53328 73159 77218 00000

Link 00052

#### 20916/18730/16165 kHz, 01-03, 0900/0910/0920 ITC

11166 00052 65941 13025 02689  
30079 16125 53727 34313 41796 74810 77365 52761 63178 66292  
12253 09691 37885 10582 08523 02957 64790 43874 85717 70717  
94079 59485 08079 62399 03577 93511 67765 40072 61177 16505  
51298 71085 01510 23827 69313 47080 70291 58752 06205 85995  
62456 39710 32194 99891 44576 65369 48572 76039 86602 31609  
73237 86939 05542 09034 26744 99241 01253 01178 56128 29073  
97812 23413 55129 15399 11982 99044 13599 77666 65615 76463  
12371 47965 04012 39334 07779 46447 23124 29674 61313 78012  
45676 89316 31148 42362 40844 88009 43740 08481 48780 07071  
25156 51884 36818 38140 25317 66071 26465 57223 49800 75096  
34381 00583 19658 21076 65810 34808 85084 73310 82941 32980  
08277 03553 92360 96981 66140 71049 01611 93870 32414 59704  
14041 32753 27580 68529 44529 61475 73386 81601 67962 69479  
05484 08653 80283 24960 01278 18755 71575 32896 59519 59034  
49643 84637 11743 37278 84824 32757 70081 32519 33655 88721  
19020 24124 37087 63062 15017 23525 97982 05402 07612 97461  
80482 85500 50108 61383 61054 71111 43264 54337 20952 52101  
09036 68437 86914 80334 87282 78873 30053 49938 43483 22549  
16102 10851 96820 80845 43763 95226 40491 60397 44387 87060  
48078 14081 02124 97345 43282 41547 61846 32508 47227 72819  
08992 69719 20425 40074 45564 21017 21617 59701 86622 33399  
12648 05246 94062 99330 61635 02886 96013 39718 69468 77284  
15102 84520 32800 10831 93413 13431 30871 74153 92965 60610  
17557 50050 64376 09806 74928 70845 95074 63041 13933 12544  
18300 55643 78864 15429 65255 69260 00676 44577 44469 56425  
99239 94688 53300 51170 45533 62677 64635 22508 24544 72240  
09590 43008 49638 98317 61772 98880 25266 00000

**17428/15646/12153 kHz, 06-03, 1500/1510/1520 UTC**

11166 00052 82469 06071 00049 00000 00000 00000 00000

**17428/15646/12153 kHz, 13-03, 1500/1510/1520 UTC**

11166 00052 78930 13079 00049 00000 00000 00000 00000

**20386/18215/16061 kHz, 14-03/15-03, 0900/0910/0920 UTC**

11166 00052 38097 13026 01889

16350 86123 44866 22078 27077 44818 68404 40426 49459 36290  
03392 97356 75953 26692 21136 52656 42270 80862 88490 56071  
61816 47451 45397 33476 64128 39685 14315 88088 38844 16346  
27493 17861 15484 07342 85609 00120 31450 94245 77863 74775  
12518 97160 59077 63857 32320 49925 25596 94289 46660 09161  
70426 51119 80668 65839 79982 02736 94614 82721 13138 85792  
83540 47799 51912 42693 52832 07336 16053 30380 11415 09531  
01104 45218 19481 97122 36405 95148 07161 48785 03223 04042  
16992 73516 24207 73653 66441 98402 68521 02260 98236 01414  
52869 69824 07963 91633 92864 36386 03460 72730 70120 20816  
03916 39494 20897 52963 71166 50201 82801 48637 56219 43319  
63806 61401 19603 67622 78775 56268 38080 85497 21162 73760  
75218 52969 72793 32211 38668 51810 21948 39236 48500 93110  
19105 09370 90093 10281 44792 60085 00413 62501 44501 44597  
75010 26138 38920 44969 99799 46104 13927 85804 59490 57065  
75336 55724 77108 14088 88925 74668 61811 56170 33130 58128  
91373 37047 40613 97301 03970 43667 20863 14818 76370 97658  
86789 67535 67390 45139 72078 52782 25151 01436 58315 73291  
58354 58172 31086 67028 74159 98070 26186 00000

**15646/12153 kHz, 20-03, 1510/1520 UTC**

11166 00052 12596 20011 00049 00000 00000 00000 00000

**17428/15646/12153 kHz, 27-03, 1500/1510/1520 UTC**

11166 00052 45678 27099 00049 00000 00000 00000 00000

**20386/18215/16061 kHz, 28-03/29-03, 0900/0910/0920 UTC**

11166 00052 38097 13026 01889

16350 86123 44866 22078 27077 44818 68404 40426 49459 36290  
03392 97356 75953 26692 21136 52656 42270 80862 88490 56071  
61816 47451 45397 33476 64128 39685 14315 88088 38844 16346  
27493 17861 15484 07342 85609 00120 31450 94245 77863 74775  
12518 97160 59077 63857 32320 49925 25596 94289 46660 09161  
70426 51119 80668 65839 79982 02736 94614 82721 13138 85792  
83540 47799 51912 42693 52832 07336 16053 30380 11415 09531  
01104 45218 19481 97122 36405 95148 07161 48785 03223 04042  
16992 73516 24207 73653 66441 98402 68521 02260 98236 01414  
52869 69824 07963 91633 92864 36386 03460 72730 70120 20816  
03916 39494 20897 52963 71166 50201 82801 48637 56219 43319  
63806 61401 19603 67622 78775 56268 38080 85497 21162 73760  
75218 52969 72793 32211 38668 51810 21948 39236 48500 93110  
19105 09370 90093 10281 44792 60085 00413 62501 44501 44597  
75010 26138 38920 44969 99799 46104 13927 85804 59490 57065  
75336 55724 77108 14088 88925 74668 61811 56170 33130 58128  
91373 37047 40613 97301 03970 43667 20863 14818 76370 97658  
86789 67535 67390 45139 72078 52782 25151 01436 58315 73291  
58354 58172 31086 67028 74159 98070 26186 00000

Link 10031

**20138/17428/ 14983 kHz, 14-03, 1015/1025/1035 UTC**

11166 10031 52369 14001 00049 00000 00000 00000 00000

**20138/17428/ 14983 kHz, 28-03, 1015/1025/1035 UTC**

11166 10031 43567 28001 00049 00000 00000 00000 00000

Link 10053

**16245/14356/12138 kHz, 04-03, 1530/1540/1550 UTC**

11166 10053 32451 04001 00049 00000 00000 00000 00000

**13986/11523 kHz, 06-03, 1700/1710 UTC**

11166 10053 17935 06067 00049 00000 00000 00000 00000

**16245/14356/12138 kHz, 11-03, 1530/1540/1550 UTC**

11166 10053 13579 11001 00049 00000 00000 00000 00000

**16359/13986/11523 kHz, 13-03, 1650/1700/1710 UTC**

11166 10053 35791 13067 00049 00000 00000 00000 00000

**16245/14356/12138 kHz, 18-03, 1530/1540/1550 UTC**

11166 10053 10295 18001 00049 00000 00000 00000 00000

**16359/13986/11523 kHz, 20-03, 1650/1700/1710 UTC**

11166 10053 56248 20001 00049 00000 00000 00000 00000

**16245/14356/12138 kHz, 25-03, 1530/1540/1550 UTC**

11166 10053 13579 25063 00049 00000 00000 00000 00000

**16359/13986/11523 kHz, 27-03, 1650/1700/1710 UTC**

11166 10053 13579 27001 00049 00000 00000 00000 00000

Link 40122

**18189/16046 kHz, 01-03, 0600/0610 UTC**

11166 40122 56287 24062 03149

72926 46674 75842 16905 88786 58315 67897 07278 95337 85498  
80940 83029 51294 73827 78122 10576 17033 41671 08678 98076  
18286 17360 87678 62955 27499 64770 17684 08898 92568 45718  
94467 23257 67617 92610 64027 30806 25514 89787 23033 64779  
56818 86990 79933 41132 84835 93399 18893 46962 51477 25677  
33740 79030 53605 08446 24133 93312 34559 50655 71112 51531  
60534 46252 34238 75587 36524 72617 37499 45849 41492 85186  
36177 04220 87470 31703 81849 47933 32280 34535 27740 25002  
00536 14497 41569 67272 92656 54614 18127 22011 86541 27265  
08733 67955 61611 33139 26106 40273 08062 55148 97872 30336  
47795 68839 61468 33792 15750 99410 73054 72756 27745 05330  
32630 22026 38367 16422 61107 45019 34011 86223 08954 83020  
40808 18904 39565 40775 96323 46503 09214 54985 35806 78927  
10765 81660 72671 25135 73357 63248 77921 08949 35224 61807  
52416 77573 09703 48564 48752 75791 07376 21045 09053 97694  
56221 11877 62530 88939 67944 29156 48009 40533 90976 89839  
80120 49935 09068 69982 00643 08528 66607 03904 18066 18214  
45348 36577 13278 38576 93967 40169 66043 38047 77645 30692  
81978 47513 39848 45677 24696 39799 93515 68830 82816 83477  
83815 12594 26532 44416 89679 94553 33400 33532 56295 68638  
88075 24167 75730 97034 85644 87527 57910 73763 93265 19639  
59093 35860 49797 58223 60067 23081 08102 12977 11237 72089



49709 57648 86790 56048 26542 57377 15138 05560 09361 29726  
77806 71892 47655 62831 93984 18434 70632 39136 32886 51293  
84017 38113 21147 25014 42332 16435 37423 84310 01359 89024  
11381 27789 80462 59419 69274 04566 89464 72889 93289 79743  
99752 90748 86844 29669 64321 09292 63038 52912 16423 71805  
98423 07904 01518 47071 19312 13181 22216 72819 12772 71150  
00891 87560 79528 01346 89663 99228 70951 94070 82425 64084  
77297 20415 08615 74303 59421 59534 13404 77697 41130 29167  
54009 78004 04366 30301 66800 89176 54406 41949 84895 42110  
47282 26949 62312 00000

**18189/16046/14459 kHz, 07-03/08-03, 0600/0610/0620 UTC**

11166 40122 85241 03063 03379  
50667 52829 54517 53005 99027 38779 19348 24352 50605 65331  
67600 03913 44111 32370 05316 29979 86406 26224 99258 87033  
28201 16919 56964 74738 52743 20386 31493 00461 82188 49034  
68079 81263 31327 99153 34862 66316 63363 48561 04888 15648  
27436 62944 81564 96182 82560 34329 84768 81004 37688 00120  
39776 62777 62562 16138 36217 17268 49065 82104 49237 77891  
27741 43003 40054 07251 69181 14754 78089 76561 24961 07648  
51885 88946 87813 45968 60959 07502 75728 07244 05816 74087  
69669 29565 18292 29785 59585 60405 99407 72944 78414 45390  
56942 15772 28762 80431 59891 25386 31943 75691 52010 60289  
54074 04795 91629 38181 88903 37730 09923 96060 02069 80887  
04824 28553 66468 72651 12772 15387 43429 08012 25479 73984  
89364 90600 43903 98073 92613 35623 86613 68276 70137 72091  
18294 63205 44667 05494 47039 16075 64009 23550 75989 13851  
16376 94499 34822 20923 78665 52617 18810 08153 52729 19825  
75919 82145 80450 24854 21357 51720 44863 52574 02990 48777  
43241 53198 66093 45749 43097 66026 90836 36823 57033 37436  
00972 75110 97367 37791 67148 82975 96497 06973 53293 77682  
03906 83202 79495 79572 95782 94858 99830 94939 58166 19968  
18568 90807 29570 43059 93190 03787 14010 64069 97669 50194  
00383 38983 44434 29645 49131 56908 88460 39272 32132 83251  
61941 40789 36738 23707 12948 47570 69929 88723 46534 23933  
23484 63155 91728 13820 86137 10770 42835 41063 13643 68309  
48484 48413 92677 08794 46890 67529 59542 78741 70718 37114  
59579 39009 70035 11377 58246 63934 26752 26020 39793 78459  
59013 13932 54475 37935 38965 87771 00235 80291 72338 31641  
49795 05251 13288 69017 59101 60284 12918 99153 18044 37996  
24945 19118 29415 14615 16918 73661 27010 84292 60446 00115  
68837 68886 98875 60481 66362 07919 15829 77934 35718 58400  
53075 19891 81831 59205 51149 94854 51399 39681 11159 55218  
15639 77188 01227 23210 68774 33248 55994 82173 53174 23001  
42633 00360 47091 97638 91794 79437 75930 44528 16939 44891  
33003 34683 70483 20499 20677 72301 10202 54086 47879 26027  
74314 86734 44892 46648 88709 63335 00000

**18189/16046/14459 kHz, 14-03/15-03, 0600/0610/0620 UTC**

11166 40122 35796 10064 03029  
98058 15089 49718 10506 78957 00258 09296 28914 32877 75627  
96932 30726 08402 27257 33631 49435 90448 42022 40160 95905  
43381 66904 52293 28269 29212 43782 13471 09017 61848 24385  
68351 66498 83300 95117 05678 02995 72813 66435 23894 16558  
24837 06456 17955 28822 56780 23496 10770 35940 32496 27224  
77701 24867 12420 23109 37583 22157 66306 19865 08663 67466  
09505 54564 52936 28954 48704 65116 57293 02763 48087 64799  
24917 63769 51838 98529 75375 59792 23927 85549 76844 66444  
91125 78245 58890 44817 00176 91743 79263 69184 25058 84017  
43129 16914 85299 91152 98179 37771 61250 47486 54063 44809  
17267 45290 99559 94021 68751 13700 15961 44963 53971 21561

10068 19502 96598 33892 15257 00911 69916 76653 34059 40483  
98617 89498 20666 63842 59141 71198 26825 94159 64480 47439  
59549 34442 44402 15659 24080 76102 57011 46634 50538 25973  
92603 47482 27710 68975 55738 15783 92394 08615 36474 39497  
47759 52495 06700 22381 09131 35046 02502 39563 00675 94638  
78500 53000 51377 47285 45106 41470 63798 24109 24612 24810  
53998 64772 87076 87082 86108 84043 51931 28348 49959 53706  
66243 99743 55215 66975 95582 01548 40447 77631 88415 48919  
20596 31043 99977 35007 21233 29273 86554 46098 73094 97454  
06112 08518 65292 43623 86206 71941 80660 29196 45125 58833  
61669 92277 77180 34677 80339 90991 38105 78695 10598 59017  
91481 59753 26518 90518 02142 47109 74867 96653 87484 10735  
95415 00863 62631 90859 87436 65103 40372 41449 45826 64234  
71832 77292 15305 50732 38804 79390 36109 76925 33669 38336  
79629 66937 87857 40363 97432 55523 34786 25769 32090 35986  
18198 74379 63268 84369 81854 97751 87507 52099 01514 42813  
55129 44273 45126 36596 12710 25786 72196 26794 24562 22468  
08238 97787 71651 09435 55266 66859 51395 03829 24264 90261  
26778 04145 00555 33846 98222 43325 78025 87922 96646 47812  
64300 00000

11166 40122 41209 10065 02279  
23136 31048 21154 19741 54643 72424 69789 84469 50000 27607  
36800 70626 14339 07188 74833 14867 72992 23165 45520 08518  
73494 42674 06867 28313 07983 43762 10911 18391 91954 52912  
10056 15756 60303 68984 95549 36376 66581 03272 16513 64122  
96423 90361 52986 09718 31062 49481 41411 31903 21883 01018  
75988 37987 61956 67906 34357 05989 65468 16567 01027 95540  
91009 17075 87000 39755 69644 27264 69025 35231 23703 30443  
96909 72398 87234 81403 42347 73372 64058 40427 87680 29525  
84348 99963 78040 55945 45693 33671 85309 04982 49562 22511  
57329 06061 69126 37573 50808 23948 09352 84342 71355 52672  
45331 38058 69073 87264 49765 24890 63171 40533 45543 28599  
93999 97027 44360 27365 25982 21412 57309 90493 49849 63416  
88377 89657 57637 26551 46798 04388 88869 92785 39177 26486  
71374 20374 27352 93046 05161 57000 62909 02792 62808 35455  
34292 95378 04791 44017 87452 98394 33178 88722 05972 71710  
32163 89725 61589 03885 68832 78922 71084 40309 52636 91032  
20437 47773 76980 65328 42215 45154 91388 00196 57123 54892  
77673 27707 15646 54965 28537 00414 00724 36039 52059 07522  
77411 93472 50501 62658 00436 08881 46861 30399 15606 00939  
57624 83761 16009 50098 35134 09838 38930 26936 28039 05755  
14427 78784 33243 32169 01505 54367 37785 16449 72833 71096  
74115 22769 33921 54741 37174 31273 87716 06148 36730 93518  
80544 74692 83410 56363 90335 65225 00000

**16046/14459 kHz, 21-03/15-03, 0610/0620 UTC**

11166 40122 91375 21039 00049 00000 00000 00000 00000

**18189/16046/14459 kHz, 28-03, 0600/0610/0620 UTC**

11166 40122 85243 24066 03779  
76298 19332 72231 59998 13139 65250 57195 95558 14075 32765  
44764 62575 91023 06818 61478 77911 24079 41765 23530 19565  
63463 64862 22932 01298 21412 29456 62236 89935 77445 35072  
23709 95038 45449 56581 83932 85615 76011 49640 09739 13582  
92455 24587 96440 48641 83994 05977 34279 54278 04456 19961  
14033 59556 50013 76668 07725 06402 14350 39816 85364 77062  
44714 00691 53660 31428 47278 98729 27649 08911 15263 55865  
71163 74551 78243 16825 67092 14059 96089 12576 03361 07463  
45972 89108 85569 36063 75874 68727 12234 02372 23039 36060  
73556 67728 20798 65955 59672 37281 42224 35463 89307 47011  
54026 87086 94778 32507 79141 35492 24286 84158 91457 34855  
47423 18458 91097 49051 74846 20116 33712 91855 28048 34653  
12212 29357 20159 16172 14377 61761 33725 59996 04786 26778  
06395 74854 04495 91779 60455 74303 66914 26914 37150 92081  
73308 76365 21727 51072 96360 69941 70132 40562 05252 42184  
73320 81505 10667 51189 20083 84439 73192 14318 44361 29787  
23524 02985 67961 25193 67926 63729 74625 19605 77390 57730  
76375 78784 83914 35973 58095 51921 32356 92245 11259 84059  
61281 61155 92762 54000 11262 53351 69798 42393 84049 45145  
36684 59678 01065 64706 14621 88590 34641 42035 70285 20890  
10460 14890 14216 93032 04614 07854 64915 50439 83739 26743  
89619 95076 61651 35525 57654 96022 70918 07950 67341 67705  
72814 71077 32363 45507 54095 82877 38547 13423 84021 11110  
06993 63449 30074 05657 24486 91405 55801 81498 27136 58867  
49229 54524 48171 75897 55277 97359 65833 84269 10620 07405  
12309 45862 04416 04260 29628 65924 13364 98745 83479 05881  
84512 00677 70869 65385 64250 57606 82565 38296 96938 41709  
06268 72262 41605 26994 81433 86616 80134 24042 41702 28249  
15414 64447 05861 70162 82845 52152 03271 82390 23684 23871  
44717 29963 93619 85772 74596 77613 05064 18628 65395 05908  
26550 68600 40385 68493 87711 65868 35487 45142 63260 38264  
36225 70283 34408 12122 50718 41716 51158 17525 04646 39182  
43928 40126 69123 07487 57915 86745 57421 83862 08657 56920  
51477 74259 82218 37600 44123 08242 28453 63176 07977 27194  
20758 08030 26929 85506 80774 03786 51167 69447 91469 98460  
61672 63385 47035 99696 55123 18076 13030 69259 85151 00673  
95229 60998 20879 31179 40593 19447 08682 35001 18800 81258  
48109 66305 57789 46659 17903 66375 00000

|            |
|------------|
| Link 40133 |
|------------|

**22913/20374/18406 kHz, 03-03, 1500/1510/1520 UTC**

11166 40133 13579 03001 00049 00000 00000 00000 00000

**22913/20374/18406 kHz, 10-03, 1500/1510/1520 UTC**

11100 40133 36987 10001 00049 00000 00000 00000 00000

**22913/20374/18406 kHz, 24-03, 1500/1510/1520 UTC**

11166 40133 21345 24001 00049 00000 00000 00000 00000

**22913/20374/18406 kHz, 31-03, 1500/1510/1520 UTC**

11166 40133 13579 31001 00049 00000 00000 00000 00000

**17414/15605/13444 kHz, 03-03/04-03, 1100/1110/1120 UTC**

11166 50046 48312 02028 01589  
48749 49079 90913 40530 05816 33684 55106 63673 43964 90165  
78912 82228 54527 94043 05468 59203 64880 41733 64683 60822  
17222 53191 89407 65553 80986 31666 25351 02578 45350 92445  
82884 41741 08823 38391 97217 99937 80249 48602 48096 93115  
27128 19443 74004 68918 89244 56772 57137 06450 60152 15768  
83957 36786 80875 28271 57350 16591 22829 05308 16856 58103  
71257 04368 93782 30360 62528 26242 65768 47748 56991 27777  
21160 19892 48165 27234 90192 59653 27804 32831 34373 28363  
43650 49023 53504 09453 91946 13468 31363 80958 34894 38125  
04887 28294 88773 42478 27088 30058 41458 57120 62664 47845  
05744 24750 89678 08526 16132 41661 50929 69643 33717 36651  
81595 16722 61627 31125 45209 30692 97029 29457 45500 76293  
13636 90888 65184 46229 59750 81804 88546 31551 62154 19575  
93797 11129 17798 07708 92500 26229 83270 19140 03779 99959  
81810 53373 98025 61429 76294 37486 38226 42921 36025 10571  
26666 38264 18176 81213 27715 35432 81560 00000

**17414/15605/13444 kHz, 10-03/11-03, 1100/1110/1120 UTC**

11166 50046 36201 07029 01069  
27929 19174 90911 52875 84096 03789 55104 75918 22144 60260  
78910 94563 50223 38386 97105 37749 07681 72719 62772 54857  
11204 00208 33163 87414 37013 87621 15952 29001 39307 88576  
14434 33147 70992 46584 60306 35319 31460 10244 42278 28813  
65114 43017 30649 00851 24648 40882 21141 15224 26239 11445  
14703 21521 52366 70779 06945 31068 24025 95789 35303 54729  
29171 63429 89937 16500 60220 91195 57048 11026 48937 98547  
91079 87230 69197 52061 04104 34745 89887 79181 28999 23921  
80200 07210 15826 58401 47397 14967 67298 97372 15029 22466  
83273 32714 79157 73107 04738 92021 04006 69521 45020 11663  
59625 03160 64364 98736 29104 00000

**17414/15605/13444 kHz, 17-03/18-03, 1100/1110/1120 UTC**

11166 50046 84731 16030 02249  
15529 65283 90913 52875 72696 59898 55106 75918 10744 16379  
78912 94563 29761 95108 50802 58035 41575 03877 84785 92607  
17115 80831 08735 57196 61974 89847 64755 32471 79838 29150  
91312 64846 83772 77499 46041 46057 70328 42725 31695 89037  
81433 93755 45796 42247 60647 44487 81783 79481 50080 50746  
44180 14512 85882 77147 21220 33628 53843 42078 05348 97903  
03292 07699 34958 32135 55916 71847 76891 18435 41427 13902  
91083 47418 49826 39533 17558 20272 66992 56529 37980 00024  
79982 80953 20864 44669 30627 89052 05609 63657 15508 65059  
08405 28211 63189 18004 69422 95932 34323 22373 38073 59407  
53410 45007 72593 53265 09909 30954 28020 61933 18793 81598  
48785 54039 73132 23392 49582 12697 71580 41921 36417 16594  
73151 78426 53384 37704 98227 26074 58843 28151 29433 09219  
70775 68353 61512 54086 72778 92088 99678 00697 03825 35355  
80836 01453 66199 33165 20542 60935 87250 59774 46447 47260  
59756 07536 04317 08883 24853 25774 16123 17369 56889 58325  
91142 51708 98680 01691 76478 45064 19547 87538 82932 14367  
29618 66946 91122 29264 74501 83694 10757 26446 58327 43065  
67121 69450 75523 91309 43816 27584 54634 44180 38506 53710  
98285 49063 76013 30321 94262 50874 33815 90457 98435 44051  
04553 11496 14076 00326 42646 04533 71338 65458 87862 26979  
87688 84266 06017 84971 75983 04327 71000 78125 36249 74684  
98181 52225 30222 00000

**17414/15605/13444 kHz, 24-03/25-03, 1100/1110/1120 UTC**

11166 50046 97631 23031 01549  
32889 09090 90913 40530 99956 93605 55106 63673 37004 50186  
78912 82228 67054 19254 51318 13605 28594 59617 09352 68831  
03586 59540 88141 32663 09207 83853 93676 91820 45605 35690  
00081 33528 48492 25469 73306 59874 13707 70957 48256 28263  
95041 33998 43014 52034 11908 47767 47131 95161 34096 77337  
30910 93679 94736 53612 04149 12186 63577 18200 80192 52892  
44196 51995 34936 98478 17049 94922 59038 39519 38617 90383  
07280 97957 50125 52532 84179 15013 30506 70175 73798 16180  
89662 69670 09109 89181 07140 88211 17559 89669 67719 22565  
42856 24242 41690 98718 04588 04427 54677 00361 94283 25521  
53845 72558 73218 21303 28651 91448 04254 49674 25036 37174  
98010 32208 71795 08013 10828 01386 31548 69271 39494 98530  
22647 36547 30716 49740 57612 81557 45772 69874 89573 05449  
86951 12733 16769 63659 02698 95222 88819 50670 47166 73632  
16473 29829 29354 36334 17859 77658 01884 68807 02267 63081  
89244 09865 31152 00000

**17414/15605/13444 kHz, 31-03, 1100/1110/1120 UTC**

11166 50046 34271 30032 00689  
48568 39007 90913 40530 05635 23612 55106 63673 43783 80193  
78912 82228 45750 61201 50459 21660 19325 87477 40714 32987  
21417 68954 80073 76510 63508 82780 05185 43292 26689 18363  
15119 26024 46037 35067 16411 67481 05786 88047 65868 06909  
46651 51695 81699 30438 82520 41583 08866 15260 56667 61087  
33863 05242 79335 54002 23109 10181 08834 04975 15645 55505  
77099 83219 26087 11757 98632 12288 32066 00000

Link 60070

**9068 kHz, 06-03, 0030 UTC**

11166 60070 84956 06074 00049 00000 00000 00000 00000

Link 70004

**18948/16223/14639 kHz, 10-03/11-03, 1000/1010/1020 UTC**

11166 70004 90135 07005 00539  
67216 42701 49584 57756 22405 36044 70197 95452 05516 46618  
84245 04425 36011 65294 13752 27963 56522 49839 90571 52827  
70247 87544 04761 08651 56348 12437 05223 75461 78528 31389  
56151 18207 66270 38236 05620 18487 40387 33651 95225 35278  
86184 22702 73464 67765 99400 80169 39485 16607 70359 18856  
98504 05051 00000

**18948/16223/14639 kHz, 24-03/25-03, 1000/1010/1020 UTC**

11166 70004 90135 07005 00539  
67216 42701 49584 57756 22405 36044 70197 95452 05516 46618  
84245 04425 36011 65294 13752 27963 56522 49839 90571 52827  
70247 87544 04761 08651 56348 12437 05223 75461 78528 31389  
56151 18207 66270 38236 05620 18487 40387 33651 95225 35278  
86184 22702 73464 67765 99400 80169 39485 16607 70359 18856  
98504 05051 00000

Link 70048

**18038/16344/14563 kHz, 07-03, 0800/0810/0820 UTC**

11166 70048 15469 07039 00049 00000 00000 00000 00000

**18038/16344/14563 kHz, 14-03, 0800/0810/0820 UTC**

11166 70048 18951 14075 00049 00000 00000 00000 00000

**18038/16344/14563 kHz, 14-03, 0800/0810/0820 UTC**

11166 70048 18951 21003 00049 00000 00000 00000 00000

**16344/14563 kHz, 28-03, 0810/0820 UTC**

11166 70048 18951 28079 00049 00000 00000 00000 00000

Link 70059

**10249/8237/5948 kHz, 05-03, 0500/0510/0520 UTC**

11166 70059 56248 05001 00049 00000 00000 00000 00000

**10249/8237/5948 kHz, 21-03, 0500/0510/0520 UTC**

11166 70059 01925 19001 00049 00000 00000 00000 00000

Link 70147

**14354/12206/10293 kHz, 10-03/11-03, 0900/0910/0920 UTC**

11166 70147 38950 07077 01609

74785 62683 95686 60463 50351 42460 88488 06641 66145 36891  
83742 96247 11565 50861 60670 12882 05978 57548 33545 90818  
67149 26254 97678 89430 36114 71256 39292 79833 49140 49386  
33386 18609 38978 80609 79184 26989 05780 96622 18494 70480  
08610 00019 53270 09510 58190 18233 16647 50408 28587 69190  
08969 59814 42485 28341 71717 26772 56869 77129 06758 10834  
18322 91577 56216 02080 69768 95201 20918 16459 37509 54929  
62432 01486 48322 53857 75636 27055 22197 79281 93090 90956  
03317 28255 30981 31812 10513 52971 02709 78543 66082 27997  
48155 07753 51909 41509 20007 62790 67141 96079 01304 95035  
66522 11209 42572 89250 51781 24533 10918 93048 17584 45423  
47646 33069 90932 37193 43762 44364 32051 75288 22876 73862  
68829 68891 48003 68730 53217 17009 00932 55804 21291 92684  
30964 62587 56953 97934 97849 46597 24709 45492 26535 58794  
71332 71092 42902 12021 14960 16734 33226 90668 07461 72815  
25114 74831 42128 80725 29293 92643 01831 88676 77158 00000

**14354/12206/10293 kHz, 24-03/25-03, 0900/0910/0920 UTC**

11166 70147 50172 23078 00689

62645 53109 95688 58128 48211 33986 88480 94306 54005 27317  
83744 84902 29669 62295 62599 69205 22503 58535 34186 83066  
21658 80366 21482 08103 42193 60490 59386 25655 16010 58338  
20074 38624 87681 65945 29366 86094 74504 54261 31526 68671  
55910 06635 45037 29455 58524 87388 38378 40589 29914 42583  
12213 42374 21369 71969 74757 99193 31637 09699 45974 14887  
53195 02316 89302 64796 00665 77642 78066 00000

**16054/13471/11062 kHz, 01-03, 1330/1340/1350 UTC**

11166 80214 12398 01079 00049 00000 00000 00000 00000

**16054/13471/11062 kHz, 08-03, 1330/1340/1350 UTC**

11166 80214 23587 08067 00049 00000 00000 00000 00000

**16054/13471/11062 kHz, 15-03, 1330/1340/1350 UTC**

11166 80214 29578 15067 00049 00000 00000 00000 00000

**16054/13471/11062 kHz, 22-03, 1330/1340/1350 UTC**

11166 80214 16547 22037 00049 00000 00000 00000 00000

**16054/13471/11062 kHz, 29-03, 1330/1340/1350 UTC**

11166 80214 17352 29056 00049 00000 00000 00000 00000

F06a – FSK 200/1000 ASCII

**11019 kHz, 14-03, 1230 UTC****File sent: 80072-~1.TXT (1552 bytes)****Contents: 5LG's in an MS-DOS format text format**

&lt;begin file&gt;

11100 80072 35712 14017 02509

XNVDW KEWMI INCYS IHCCE NIBVG YRVCM QBTKK XFDPD XOMXA TMVUG

NBTFQ QSXXI \_\_\_\_\_ Q TQFVM VVYOF SHETO SYFVS YIVIG

WROWA QMCGO IEIJL ACIMT GINPO FCIMY IPJWO OXSQW NBIPJ BOBRV

BARUS AUFBW YWJIV YXISL SINSA JDWKC BPWXI UQEYU LJ \_\_\_\_\_

\_\_\_\_\_ UGWYM OADLI UYIUC JTSIJ CGYUP U \_\_\_\_\_

\_\_\_\_\_ OWJ NDXVG SKAGF \_\_\_\_\_ O YDDLQ ADTMQ FN \_\_\_\_\_

\_\_\_\_\_ IVUGY KCQCE CBH \_\_\_\_\_

UGLLV CWTAT IF \_\_\_\_\_ IBNPF SJPBJ TMLFF JJJWW BGSRQ

TGPWU KNIYV UYWOQ BVXIJ SSUGG CWV \_\_\_\_\_ LPQB QURBQ

DKJSU AXDKA FLSUI XB \_\_\_\_\_ C IFQRB

VMQFN GHMRJ YGBWD SEEBP \_\_\_\_\_ IXOR

PDUEG JQMHN AEoui BFVEM HRLON ELXOB QYMTD LCASB NBVMW UFJVC

ODTDX DOCQA CMURP QEAQK ICTVF YKIRD YWAXK LIPFD NKUGF YAHSK

UUIAQ VKCXI EMNEH SVSOG RLESY UCKCK EHMRB HNWWC TLYYV CWOTF

TDABW HMKLC OFLOO LFFOP GVUUJ QLGUS UCQJA RCBRQ FNG \_\_\_\_\_

\_\_\_\_\_ FLYCM VRRRG XFBJ \_\_\_\_\_

\_\_\_\_\_ VEIF UTWPE FOCCY \_\_\_\_\_

\_\_\_\_\_ KPYEJ SYCYR IHAGP OBFGD KKHDM NR \_\_\_\_\_

VHJAN MKWGB EXRWM BDHYG CPTBF LCTJM GKJFT LWEMO QSYCB BIQWE

ROOJB MNJXE TTYYS DHJGV WQEGR YELU \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ WPRVQ CTMDY JJIRC PCCNR LDUBE HOHFT

SRNKC MVLJS \_\_\_\_\_ NW XDIGC LBMMA QBNIW OTRPA AWOWA

IGIDS MMKLG DH \_\_\_\_\_

\_LBSQ IANCA KFTPO SDHLU QXXFS EGF \_\_\_\_\_

&lt;end file&gt;

14923/12184/9935 kHz, 14-03, 1530/1540/1550 UTC

File sent: 001250.TLG (1550 bytes)

<begin file>

11100 20043 75239 14001 02509  
 92402 95879 69497 90819 49081 51001 00524 06935 54007 94569  
 98877 30469 76483 60953 50734 38942 12386 45927 91873 70815  
 26744 13283 09491 78240 36251 01145 42524 72489 55154 45181  
 66467 91747 52967 60904 73586 45954 97429 52222 84486 18385  
 81163 38470 51963 28656 55454 17068 43076 86848 19602 04022  
 10385 93424 39272 19435 88276 64638 92294 10238 75337 88119  
 65332 27302 88690 38324 49873 99137 01244 06530 10975 69369  
 97789 25076 27201 90159 10889 90521 25180 88776 22472 15430  
 57244 49503 42107 63437 95555 78056 97862 47321 41189 40714  
 00706 94741 71581 95346 68370 11347 74807 56516 19645 95924  
 44100 61856 74992 87298 31073 31902 24472 47646 81060 40570  
 48869 11931 99031 38465 04998 58135 19509 96213 11088 77984  
 78917 59991 93223 52841 13832 36462 78737 64464 33519 49287  
 47528 95325 40249 34404 77215 98156 95794 66272 43091 39420  
 57554 32248 58780 46406 32746 97310 68574 12616 24106 26287  
 27355 41140 65527 55801 29053 30716 71075 33108 69584 34140  
 45820 64010 55194 43736 31930 37052 92141 83564 88444 16159  
 18686 13049 28185 18928 65277 71725 60228 22756 53919 19785  
 11388 65971 72626 54108 25127 36190 85914 04478 61365 63054  
 67266 39648 45586 57559 64504 37969 40712 65148 34017 02251  
 40162 24762 04761 23550 05538 51036 57997 23569 97386 81829  
 33677 30363 72453 58270 99430 67023 45888 29512 43094 58050  
 41818 99383 74699 83076 80753 57118 48885 32651 77228 59354  
 43648 45756 46149 55596 56381 33752 41261 74312 03139 20432  
 74187 11873 32053 52883 87468 91501 86856 62832 80043

<end file>

X06 - Mazielka

|      | Freq  | Date | UTC  | Sequence                                                                                          |
|------|-------|------|------|---------------------------------------------------------------------------------------------------|
| X06  | 6875  | 16-3 | 2051 | Sequence: 645321                                                                                  |
| X06  | 6877  | 16-3 | 2053 | i.p. ends at 201 UTC                                                                              |
| X06  | 10270 | 19-3 | 1635 | Sequence: 532614                                                                                  |
| X06  | 10814 | 28-3 | 0737 | Sequence: 412356                                                                                  |
| X06  | 11483 | 14-3 | 0837 | Sequence: 412356. Ended 0844z                                                                     |
| X06  | 12153 | 28-3 | 0630 | Sequence: 666443                                                                                  |
| X06  | 12153 | 28-3 | 0632 | Sequence: 666443                                                                                  |
| X06  | 12153 | 28-3 | 0637 | Sequence: 111666                                                                                  |
| X06  | 12153 | 28-3 | 0642 | Sequence: 111666, interfering with E11                                                            |
| X06  | 12186 | 7-3  | 0806 | Sequence: 214356. Ended at 0811 UTC                                                               |
| X06  | 14440 | 22-3 | 1202 | Sequence: 564213                                                                                  |
| X06  | 14655 | 14-3 | 0812 | Sequence: 164253. Ended 0840z                                                                     |
| X06  | 16223 | 22-3 | 0947 | Sequence: 164532 before 66-tone MFSK which started at 0959 UTC, centered on the carrier frequency |
| X06  | 18667 | 16-3 | 1240 | Sequence: 111245 Before XPA2                                                                      |
| X06a | 16138 | 25-3 | 1400 | before XPA2                                                                                       |
| X06a | 16138 | 25-3 | 1406 | before XPA2                                                                                       |
| X06a | 18667 | 16-3 | 1215 | Sequence: 161616 Before XPA2                                                                      |
| X06b | 7516  | 22-3 | 2011 | Sequence: 111666 before E07                                                                       |
| X06b | 9135  | 26-3 | 1042 | i.p. Sequence: 111666                                                                             |
| X06b | 10779 | 26-3 | 1502 | Sequence: 111666                                                                                  |
| X06b | 12155 | 26-3 | 0638 | i.p. Sequence: 111666                                                                             |
| X06b | 12155 | 26-3 | 1622 | Sequence: 111666                                                                                  |



|      | Freq  | Date | UTC  | Sequence                    |
|------|-------|------|------|-----------------------------|
| X06b | 16138 | 4-3  | 1403 | before XPA2                 |
| X06b | 16138 | 11-3 | 1401 | Sequence: 111666            |
| X06b | 16138 | 11-3 | 1404 | Sequence: 111666            |
| X06b | 18667 | 17-3 | 1305 | Sequence: 111245 befor XPA2 |
| X06b | 18667 | 17-3 | 1312 | Sequence: 111245 befor XPA2 |
| X06b | 18667 | 17-3 | 1317 | Sequence: 111245 befor XPA2 |

## XPA

### 11409/13509/14609 kHz, 05-03, 0700/0720/0740 UTC

456 456 456 000

01626 00001 00000 37253

### 11409/13509/14609 kHz, 07-03, 0700/0720/0740 UTC

456 456 456 000

06987 00001 00000 41266

### 11409/13509/14609 kHz, 12-03/14-03, 0700/0720/0740 UTC

456 456 456 1 456 456 456 1 456 456 456 1

00249 00079 90556 05512 71438 62627 78188 37181 23879 65488

18368 92264 30029 82282 04022 16911 35155 23465 78154 27890

71788 10284 61551 20096 07832 94165 79695 95878 43660 88391

59052 08915 18808 78274 58466 35628 62779 71985 69188 56418

26243 47936 63458 46235 87678 06380 33496 19753 62156 79841

75782 52651 92848 08601 56001 76488 49893 57418 00666 15340

43160 06846 79363 24740 13446 71660 80388 15583 56390 14440

69250 76773 26877 17753 38497 77594 27210 62400 44616 98454

16124 70246

### 11409/13509/14609 kHz, 19-03, 0700/0720/0740 UTC

456 456 456 000

08810 00001 00000 35261

### 11409/13509/14609 kHz, 21-03, 0700/0720/0740 UTC

456 456 456 000

07422 00001 00000 34261

### 11409/13509/14609 kHz, 26-03/28-03, 0700/0720/0740 UTC

456 456 456 1 456 456 456 1 456 456 456 1

06951 00089 73347 20168 33415 02513 30140 53044 48721 28943

82555 13596 88273 03162 10730 15496 77082 76734 37187 14021

15492 35513 52607 52760 87721 80262 71870 89260 93613 31090

75425 95942 05646 05999 98292 23401 93204 12721 40779 59567

21146 70327 01593 23217 98637 93496 28020 40750 16185 24404

48034 57880 45220 81072 54329 98759 04711 73870 32027 49641

81320 59855 76549 12066 76922 09932 71616 15702 73064 38903

90954 54736 15440 86455 23415 81209 58765 62113 80209 20456

46017 34751 34949 62826 06391 84581 23892 85609 91594 17872

40611 33552

**13431/14631/15931 kHz, 02-03, 0700/0720/0740 UTC**

06129 00101 99177 63913 28738 89813 31737 78062 69789 65692  
25882 00072 30167 26701 47122 62104 33431 08758 93466 07247  
17655 96524 65170 98708 17714 52070 72884 33595 66219 76944  
17402 81860 14407 43643 86527 06508 97369 24956 21735 06809  
11795 66581 39497 60204 54418 87052 11763 96735 69127 81495  
65805 98909 56386 72564 98648 11580 11476 31480 28329 37568  
61152 96590 85606 10235 20259 85952 55447 85094 88274 50559  
07355 46558 67920 65725 54217 00631 81831 76045 58180 66883  
32229 73778 58280 20563 95693 24369 06880 77523 04421 74004  
58015 43471 83012 25651 19934 94019 14303 31449 41667 46225  
65813 37728 30587 06005

**18667/17419/16212 kHz, 02-03/03-03, 1400/1420/1440 UTC**

07646 00101 58220 13565 64233 04895 02301 17790 21968 22819  
59514 29253 85454 29378 77919 27690 10316 69640 62554 49902  
51382 80712 23141 59012 66088 92917 40317 76665 64768 79696  
43238 55948 46933 79309 80009 51989 06493 83208 48658 77836  
24986 31469 99248 35931 31698 54313 77909 92587 62190 60670  
77334 25475 25895 55322 91077 00171 16172 82551 35576 68257  
19418 24323 68677 67935 54856 12083 51512 21969 42312 67814  
46704 25888 11562 20354 30936 93572 69266 15849 32471 30637  
72057 53794 70809 68778 75450 71772 65168 09807 21462 24561  
90755 13195 59149 33803 91473 42901 23627 93627 13500 12182  
23561 27803 25712 22344

**16138/14438/13438 kHz, 04-03, 1500/1520/1540 UTC**

05260 00001 00000 32263

**16138/14438/13438 kHz, 06-03/11-03, 1500/1520/1540 UTC**

05790 00071 21239 28841 98618 55476 15307 69593 73069 31124  
81406 93226 73427 87361 57805 27748 40996 74673 88245 50031  
23397 68189 81333 13908 84841 59341 26903 86425 77208 44625  
32133 58449 86064 66653 27689 83801 19719 29361 32595 56672  
24940 74226 60998 75757 47720 68447 58812 83552 65125 50386  
73795 24466 56283 51785 31953 57348 33288 75956 76052 96178  
51493 99744 08398 00652 60442 60154 06942 37212 55018 18609  
10138 99870 07238 52201

**13431/14631/15931 kHz, 06-03/09-03, 0700/0720/0740 UTC**

00212 00129 24971 02199 65919 15902 71587 53592 54732 05461  
40871 01150 06152 13845 28572 88069 87451 59008 27492 80646  
50112 39661 89587 25142 51857 61352 47806 86052 03020 75945  
51658 15536 79092 67229 88084 84691 07565 92281 36464 82628  
33626 26792 12428 01325 11279 25408 12594 59109 97503 78882  
42145 05933 05904 71561 13098 06208 41872 25847 83296 57431  
55028 97356 73113 95976 26817 97596 56575 48706 49137 72818  
06240 33260 11587 68305 56722 48431 48824 89435 77997 82909  
16998 05204 46930 99919 51139 60162 15909 42010 73130 34837  
83918 10782 66687 70192 18246 70505 10050 74862 52147 67401  
83686 97013 24770 90109 84250 50117 63779 81054 76128 84811  
09597 05126 54248 40171 66656 15330 51888 95663 58583 74706  
78039 55131 20969 34671 18353 31007 47515 83521 38172 90831  
90092 33547

**12192/13892/14892 kHz, 07-03, 0800/0820/0840 UTC**

05421 00000 00000 33656

**18667/17419/16212 kHz, 09-03, 1400/1420/1440 UTC**

03924 00001 00000 37655

**18667/17419/16212 kHz, 10-03, 1400/1420/1440 UTC**

06098 00001 00000 35267

**16138/14438/13438 kHz, 11-03/13-03, 1500/1520/1540 UTC**

05790 00071 21239 28841 98618 55476 15307 69593 73069 31124  
81406 93226 73427 87361 57805 27748 40996 74673 88245 50031  
23397 68189 81333 13908 84841 59341 26903 86425 77208 44625  
32133 58449 86064 66653 27689 83801 19719 29361 32595 56672  
24940 74226 60998 75757 47720 68447 58812 83552 65125 50386  
73795 24466 56283 51785 31953 57348 33288 75956 76052 96178  
51493 99744 08398 00652 60442 60154 06942 37212 55018 18609  
10138 99870 07238 52201

**12192/13892/14892 kHz, 12-03/14-03, 0800/0820/0840 UTC**

00262 00201 74498 85697 98794 99709 85804 14492 85974 84328  
79195 93051 74439 70020 63003 87467 69272 80040 47098 10818  
35775 30762 12030 56327 98802 87564 65976 97492 27693 45765  
33688 83634 72876 97957 92652 49824 54726 91179 75390 18043  
71380 06449 57084 37197 03786 90666 49817 87705 48028 69103  
02441 29127 33546 24486 53288 59149 11564 98092 88528 17629  
99122 98058 78192 01476 40357 10446 22402 87451 73217 51971  
16127 08527 51430 96558 03616 56758 26460 85226 05382 92284  
31861 08212 79672 33743 03802 83119 40311 79699 43069 12213  
51252 42124 87941 78840 79864 42267 75387 99991 20634 83252  
94409 13123 64102 08982 98599 66081 17967 62443 99441 27300  
30004 78017 63802 33831 84362 99304 59586 87856 61438 48099  
17936 44928 95698 29988 65049 06190 24203 30908 03214 45557  
91494 21108 26892 99217 40321 49193 96264 65457 91425 19651  
10097 34203 86621 85294 96783 87182 65166 15743 12976 98881  
89276 11004 91603 28079 27355 29997 72983 11747 87231 24669  
95954 40393 82339 87416 79156 36647 31788 87429 94233 78782  
36286 96153 30194 95117 67443 50606 94686 86434 73949 31041  
95285 41997 37215 77556 01830 86712 21544 34922 07753 08569  
14904 94049 99130 93688 68441 59633 39714 19117 55480 29448  
08597 77123 62806 77700

**13431/14631/15931 kHz, 13-03, 0700/0720/0740 UTC**

06522 00000 00000 33560

**Exercise transcript**

**12141/13418 kHz, 14-03, 0900/0910 UTC**

09550 00091 34892 34142 57438 98876 22131 41220 78837 73399  
41291 21864 63288 02587 22844 69161 54871 09118 23583 36946  
48517 23845 30258 14468 11495 86901 99696 69698 61654 11092  
82364 34669 64735 44281 17471 04843 76982 76943 22002 24300  
78170 08544 85131 94917 85759 97359 61846 95171 91404 61692  
84222 10581 34958 77672 42108 70702 71420 18524 89358 51827  
84878 52245 03564 10746 82433 49613 51433 23635 86073 44716  
43458 69534 66019 88121 83397 11798 02548 27957 27398 26974  
62498 10476 42543 31527 19648 00305 52942 77567 13183 02854  
11603 65918 06321 71676

**13431/14631/15931 kHz, 16-03, 0700/0720/0740 UTC**  
03746 00001 00000 37657

**18667/17419/16212 kHz, 16-03/17-03, 1400/1420/1440 UTC**  
00380 00123 42102 06864 91532 02031 33985 36627 77705 55295  
25055 07074 86201 03335 99837 00621 19331 50778 92583 64936  
28350 53121 42211 40329 01771 31186 20244 39363 61890 20132  
15821 66093 95251 90794 31706 21565 47471 45436 57807 09720  
35435 56329 56174 41557 40954 95601 84533 53403 60050 60231  
11343 52543 58863 95125 91994 32573 33175 90533 62748 02834  
11870 35203 70065 30958 59243 43072 95031 72036 20120 78532  
95718 25777 34447 80693 87592 94048 49030 47142 11192 10403  
86359 15199 29307 27476 70809 01964 26863 62377 03709 23410  
05380 13757 07137 39579 89977 02896 20263 27355 78076 38615  
42105 42615 02670 96388 18788 44789 84794 19399 42109 33454  
24307 66752 11199 15044 07130 81845 84184 98523 00483 08659  
67117 07328 80713 84432 79277 18009 27317

**16138/14438/13438 kHz, 18-03, 1500/1520/1540 UTC**  
02385 00001 00000 34262

**12192/13892/14892 kHz, 19-03, 0800/0820/0840 UTC**  
04793 00001 00000 36265

**13431/14631/15931 kHz, 20-03/23-03, 0700/0720/0740 UTC**  
00474 00141 89046 01695 15625 00664 68810 55711 89887 44666  
23832 37857 85101 07863 87185 32609 83234 13749 33040 32822  
10871 31072 53473 31948 76346 68027 57406 49113 26078 45003  
15747 57218 69309 43977 65468 36292 19865 71970 61834 42117  
58705 74725 33429 41291 88500 46331 24414 18048 70471 92710  
00455 05302 41096 80765 32045 55303 05417 12736 09408 17432  
09211 58866 79705 07715 39849 25591 22204 08628 74845 65502  
09784 82951 28012 22167 64351 12294 27809 19775 84301 04702  
04811 83987 81549 35989 99864 00676 54612 43573 63703 21073  
76095 10884 31287 06931 50921 47336 62249 52385 34872 40416  
55834 18095 06173 78454 90779 29448 46645 61138 76923 70386  
75860 74961 29590 34774 77221 44757 43185 68382 65783 30285  
06490 41939 62861 00065 04985 62906 86184 78500 49240 62096  
73821 24523 50999 07912 34225 85254 89366 27411 50329 49442  
86414 28706 29105 04511

**16138/14438/13438 kHz, 20-03/25-03, 1500/1520/1540 UTC**  
07397 00123 71578 62309 00871 47872 30545 97196 11539 81336  
07042 31386 18162 47022 11850 24755 55561 61559 67155 68404  
27523 68223 89173 88152 39557 56662 15569 22969 48688 68611  
96380 53233 31115 33319 64285 74201 09127 44036 87497 79704  
49281 56461 00002 94533 04999 29015 96837 09046 80018 90945  
00784 96239 38261 73170 18025 01003 65991 40489 36832 58412  
95118 35753 33565 07453 72241 34087 40608 86974 92601 55631  
78517 84929 42746 12792 15789 68543 23898 30230 77806 43164  
40246 65144 02159 14455 62784 97511 31273 72186 30171 96036  
38775 19282 59158 60616 97663 48846 09610 26485 88885 98579  
65801 80244 33218 34859 30080 47719 01356 60125 75938 27437  
70591 24293 43059 80906 22147 65104 56324 75005 96275 84053  
36838 46502 50888 29855 06828 46102

**12192/13892/14892 kHz, 21-03, 0800/0820/0840 UTC**  
01231 00001 00000 32654

**18667/17419/16212 kHz, 23-03, 1400/1420/1440 UTC**

05781 00001 00000 35265

**18667/17419/16212 kHz, 24-03, 1400/1420/1440 UTC**

03955 00001 00000 40260

**12192/13892/14892 kHz, 26-03/28-03, 0800/0820/0840 UTC**

09071 00215 16690 42988 19426 07761 55096 78520 27000 44101  
88190 42646 99862 44733 53403 47836 49467 47442 34455 78885  
49478 55543 85387 80815 94490 32881 56513 22085 25198 78275  
44633 84092 16337 44551 04088 05967 06525 42150 42265 91372  
32925 63327 95887 91593 41955 65593 00958 11826 62833 49053  
73558 70107 76651 69222 42075 48886 78844 07004 63367 78322  
00555 19136 65996 77994 74925 85878 84882 64188 85048 13556  
88565 16044 26050 27108 67106 64366 99003 16714 95306 22912  
66122 97504 06321 80075 21478 40732 47729 84644 62733 85918  
69662 19697 48660 66819 64499 47530 59883 41676 44909 66675  
93833 69721 71319 00610 97048 76420 55512 91325 23362 41663  
72673 11808 65597 33728 78209 76668 55400 14964 25860 69314  
59649 07415 44951 77015 88271 87211 60020 80092 42283 48392  
84339 28529 28080 76674 53911 95444 98387 18599 19374 26194  
11866 51359 44431 28039 62643 36309 98309 70171 65053 92282  
74330 63229 66443 73850 33900 36236 05316 38664 09444 69199  
33550 32939 08240 90497 54700 69663 63343 02810 26276 09111  
08298 92474 84173 84058 94407 70826 88519 55069 66920 25114  
48793 77774 66041 38519 00025 90073 13144 48869 96919 44537  
24229 86687 79690 99319 62903 75097 80208 36855 04266 09881  
46670 28115 13260 57273 76420 46669 46009 49821 66243 30399  
92158 38897 99900 88711 44000 94708 55487 73336

**13431/14631/15931 kHz, 27-03, 0700/0720/0740 UTC**

04881 00000 00000 36254

**16138/14438/13438 kHz, 27-03, 1500/1520/1540 UTC**

01026 00001 00000 34253

**13431/14631/15931 kHz, 30-03, 0700/0720/0740 UTC**

05017 00001 00000 34556

**18667/17419/16212 kHz, 30-03/31-03, 1400/1420/1440 UTC**

00228 00115 97463 43284 62073 56624 00163 87643 11704 30858  
34116 31782 72503 00415 42852 81323 61595 71832 34726 46281  
76481 11640 25072 97272 71701 84258 61922 01597 77707 85430  
42001 76287 11467 33262 96426 39946 55867 25952 78503 43142  
44032 43976 50215 75443 07305 61889 75788 42670 28022 03161  
02715 16110 86946 57410 62454 26295 55897 11927 72104 71034  
01219 10091 69929 54831 50448 68944 22997 56773 27066 34256  
43723 16997 73804 17665 22354 66551 71127 12880 05399 20503  
62884 98998 84579 21601 73740 03949 61136 71887 48441 76014  
96669 73959 08029 69137 32682 57780 34854 01069 45554 50549  
68865 48256 28165 32988 80978 20498 98788 09545 73306 53972  
58702 66464 13476 97704 29198 13520 66902 72326

## F11

### 7670 kHz, 06-03/07-03, 1150/1155 UTC

0325 0325 0325 0325 0325

88888 88888 99486 20315 41542 83430 00806 46555 17167 42297

91971 40764 23147 29644 92901 53948 81922 44500 32547 92329

05001 52683 79760 67281 70059 55987 77196 77718 71054 82038

84530 21555 86586 11422 90620 87744 49565 94088 88888 88888

00040 00040

### 9339 kHz, 26-03/28-03, 0845/0850 UTC

0353 0353 0353 0353 0353

88888 88888 20666 13368 00374 89894 55903 42553 52320 22936

14848 47893 37646 09039 38080 13553 37195 37291 18829 04163

45942 95521 04652 96785 07523 66932 06176 72712 13417 95242

04099 90266 10886 14576 37451 83584 88888 88888

00038 00038

## DIPLOMATIC STATIONS

### North Korean diplomatic stations

12222 kHz 3-3 1302 UTC DPRK-ARQ-600 LSB

13050 kHz 24-3 1339 UTC DPRK-ARQ 600 LSB

13322 kHz 14-3 0809 UTC DPRK-ARQ 600 LSB

13333 kHz 14-3 1005 UTC DPRK-ARQ 600 LSB

13555 kHz 15-3 0733 UTC DPRK-ARQ 600 LSB

15866 kHz 23-3 0736 UTC DPRK-ARQ 600 LSB

17412 kHz 23-3 0748 UTC DPRK-ARQ 600 LSB

17415 kHz 10-3 1413 UTC DPRK-ARQ 600 LSB

### Egyptian diplomatic stations

7526 kHz 14-3 1915 UTC MFA Cairo clg TVVX (Egyptian embassy Algiers) then into SITOR-B SITOR-A 100/170

8086.7 kHz 4-3 0701 UTC Egyptian diplo i.p. KDPAKJ ODSNNANNYWJ LFTJH KDDR LYFWKFY SITOR-A 100/170  
6609 6609 JG KDCFUSG LJ KY +?788

8121.7 kHz 18-3 1715 UTC MFA Cairo urgent msg to OOVC: Egyptian embassy New Delhi SITOR-A 100/170

9047 kHz 14-3 2038 UTC MFA Cairo msg to RCVB: Egyptian embassy Washington SITOR-A 100/170

11034.7 kHz 10-3 0923 UTC Egyptian diplo i.p. Ends with uncoded ops chat SITOR-A 100/170

14522 kHz 18-3 1749 UTC 33318: MFA Cairo secure traffic to 33312: Egyptian embassy Accra Codan 9001/3012 16 tone

17416.7 kHz 9-3 1143 UTC MFA Cairo msg to unid embassy SITOR-A 100/170

20038.7 kHz 31-3 0535 UTC MFA Cairo msg to unid embassy SITOR-A 100/170

## UTILITY ROUND-UP

### Unid stations

5852 kHz, 10-03, 1729 UTC, CW

Sending QSM for 2 minutes

### JCS Foxtrot Messages & Emergency Action Messages

Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

Frequencies: 4724, 6712, 6739, 8992, 11175, 13200, 15016 kHz

| Date  | UTC  | Callsign  | Details                                                |
|-------|------|-----------|--------------------------------------------------------|
| 09-03 | 1632 | Cold Duck | 30 chr EAM SWDJH6 LYIC53R63VWQJ4MXLRYH6U7T             |
| 09-03 | 1710 | Cold Duck | 30 chr EAM for Wally Z7H4U4 2IKOZC4L6D2P4OZHLKYO6ZPJ   |
| 09-03 | 1752 | Cold Duck | 30 chr EAM for Wally Z7AEIL OC6J4O6CM737ANRM4L5F2EXO   |
| 09-03 | 1934 | Cold Duck | 30 chr EAM SWYXDT WTFOFXBLOALPOYEA2J4TIFJ              |
| 09-03 | 2111 | Cold Duck | 30 chr EAM for Wally Z7EGGY POGK376SBMMXGHBNOYOMUVKN   |
| 10-03 | 1557 | Rectangle | 30 chr EAM BMBKNF KSJWEJTJXTCJTDU4QEAHUE4H             |
| 10-03 | 1603 | Rectangle | 30 chr EAM for Six Amp Z7SBWF NZ3QJ3W5LKI6IZARSGION5P  |
| 10-03 | 1802 | Rectangle | 30 chr EAM for Six Amp Z7UVPF EVYRJR566CKO2M5PU6EH5JM  |
| 10-03 | 1913 | Rectangle | 30 chr EAM for Six Amp Z74LSP JHA2SB3CPESSWQSTK423OZCO |
| 10-03 | 1934 | Rectangle | 30 chr EAM for Six Amp Z7DA6I Q6U6PLBAVGJ6Q5KJ6P2I7IJO |
| 11-03 | 0033 | Affluent  | 30 chr EAM BMCUTH RN6V57DKAWBSIF6V6BLOLEX2             |
| 11-03 | 0336 | Andrews   | Skyking msg: Wind Time 36 Auth IZ                      |
| 11-03 | 0459 | Andrews   | Skyking msg: Skynyrd Time 59 Auth PG                   |
| 11-03 | 0501 | Affluent  | 30 chr EAM for Pacify Z77XIX ICAYZOHAG2EZXF5IZXM2JAW   |
| 11-03 | 1415 | Affluent  | 30 chr EAM BMYYEY RKUNSIY5LWFJHJOLAX67PM               |
| 11-03 | 1418 | Affluent  | 30 chr EAM BMU2JZ QE5SJ5AAKPNI6BJ25W2RX3PN             |
| 11-03 | 1424 | Affluent  | 30 chr EAM BMRNS5 4VIKS5SWWFNAUHZKGOR7E5CD             |
| 11-03 | 1431 | Affluent  | 30 chr EAM BMLM4J LN7KZ744AJ74H5ORXSFLV4FX             |
| 11-03 | 1436 | Affluent  | 30 chr EAM BMO2Y7 IKYKDDN3SBPC7VRDVB6BAVU              |
| 11-03 | 2002 | Affluent  | 30 chr EAM BMJGWZ ZUCCZOIIUWBMRR4DPMS4Z2NP             |
| 11-03 | 2155 | Affluent  | 30 chr EAM BMESRY W6H3HGQ754RTRUK3ELU6RDFO             |
| 11-03 | 2200 | Affluent  | 30 chr EAM BMESRY W6H3HGQ754RTRUK3ELU6RDFO             |
| 11-03 | 2215 | Affluent  | 30 chr EAM BMGFFM POHVWBSRJCRDS3XUDA6R33XI             |
| 11-03 | 2218 | Affluent  | 30 chr EAM BMGFFM POHVWBSRJCRDS3XUDA6R33XI             |
| 11-03 | 2221 | Affluent  | 30 chr EAM BMTJ43 WJA4EJQ3VQSXGOQDPQYAGAU5             |
| 11-03 | 2225 | Affluent  | 30 chr EAM BMTJ43 WJA4EJQ3VQSXGOQDPQYAGAU5             |
| 12-03 | 0134 | Scripture | 30 chr EAM BMKXSQ T27L722XVFAN3ZO3SONIJBCL             |
| 12-03 | 0459 | Scripture | 30 chr EAM for Pacify Z7I6AJ PLRGQA7MNT5GMWQEZLV6YJTN  |
| 12-03 | 1810 | Scripture | 30 chr EAM for Alem-67 Z7JN2L WAL6NE7HDBQRLFVUUUPNIAOE |
| 12-03 | 1835 | Scripture | 30 chr EAM BMIQRI PW4L4XWV63PJYO2IRUX6Q65F             |
| 12-03 | 1838 | Scripture | 30 chr EAM BMIQRI PW4L4XWV63PJYO2IRUX6Q65F             |
| 12-03 | 1948 | Scripture | 30 chr EAM BM7WOF P5CXNKACUYJYX6GA5RTEFNCE             |
| 12-03 | 2344 | Scripture | 30 chr EAM BM6BPV EHFSQZ4VPUBAB7U6MR463IQQ             |
| 12-03 | 2349 | Scripture | 30 chr EAM BMZ3GX JG2TZWVZVAHSWRVGNZLNSIHX             |
| 12-03 | 2353 | Scripture | 30 chr EAM BM6BPV EHFSQZ4VPUBAB7U6MR463IQQ             |
| 13-03 | 0004 | Wild Buck | 30 chr EAM BM556N XCWNDMYDEWAZVIGOJOS7JESB             |
| 13-03 | 0537 | Wild Buck | 8888 disregard this transmission                       |
| 13-03 | 0628 | Wild Buck | 30 chr EAM BMJYLO CGW62EKHJJ22XU6WIMIQIYCW             |
| 13-03 | 0644 | Wild Buck | 30 chr EAM BMHAKG 5UBFPYLDFT65MPPI5X3AW5GH             |
| 13-03 | 0655 | Wild Buck | 30 chr EAM BMYEWL EQPRVGQZ2PQ2LXWF2SGFQJP6             |
| 13-03 | 1420 | Wild Buck | 30 chr EAM BMRLRP BR2IC5OGA25SBWQEQ5Z72HHU             |
| 13-03 | 1423 | Wild Buck | 30 chr EAM BMI5TQ PTKGTWYYE4ROC3TBVPZR7I2P             |
| 13-03 | 1435 | Wild Buck | 30 chr EAM BMYRHC JBTX7YESNUQGDKEB33SYPV2J             |
| 13-03 | 2223 | Wild Buck | 30 chr EAM for Pronto Z775A7 RXTRDVQJ5SNEX7AHBAFKAB42  |



|       |      |           |                                                                                                                                                    |
|-------|------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 13-03 | 2242 | Wild Buck | 30 chr EAM for Pronto Z7TY6K B3LMCVRFKZTOIVUXPOQPIRVX                                                                                              |
| 13-03 | 2336 | Wild Buck | 30 chr EAM for Pronto Z7GBZJ S45Q3ZEQFRJOLSFH2TBJZDFJ                                                                                              |
| 14-03 | 0554 | Register  | 30 chr EAM BMJF6C 53JMISEAUG4F63WONPF6IAIV                                                                                                         |
| 14-03 | 0626 | Register  | 30 chr EAM BMSIDS HZR36HY7LJWDJRY5S2PP7T55                                                                                                         |
| 14-03 | 0711 | Register  | 30 chr EAM BMWEPB AUAPP3YGMWBHTRO2SB247RZN                                                                                                         |
| 14-03 | 0815 | Register  | 30 chr EAM BMU32N XH4IBFD7SSGL45RJUOGRD4E                                                                                                          |
| 14-03 | 1029 | Register  | 132 chr EAM YDZRKY<br>XO7SITZM3UOCOR4WW25RJM67W7W5JIOIJJQ6666PNP4KOF7LXTFBFBTHGGGGBVUS<br>ZBAYSSODXG33ZGXCCCFG4E6J3LY5WYF3Y3T3NOQPQW227777OGWKMF3G |
| 14-03 | 1247 | Register  | 123 chr EAM YDHCA6<br>QLOHDBUQAMWRJWWPXEBLAXI544YY4YQBUJBCHY7777AUGCUFY5PDHSCX6LI34HHW<br>HWDN3ZLZVLZOOO06CVVDYYHABAT6IJIWCKKKK5GYZTS4YM7          |
| 14-03 | 1453 | Register  | 30 chr EAM BMOJRI L4EORIBRJKUAFMHS2G43FLBC                                                                                                         |
| 14-03 | 1621 | Register  | 30 chr EAM BMBQBX EYJAH6DYSQKZAK6ETMT7CEA                                                                                                          |
| 14-03 | 1624 | Register  | 30 chr EAM BM4ZKV PDWT5KYYPLTQRGOXHBMT6PC                                                                                                          |
| 14-03 | 1632 | Register  | 30 chr EAM BM4ZKV PDWT5KYYPLTQRGOXHBMT6PC                                                                                                          |
| 14-03 | 1634 | Register  | 30 chr EAM BMBQBX EYJAH6DYSQKZAK6ETMT7CEA                                                                                                          |
| 14-03 | 1700 | Register  | 30 chr EAM BM4ZKV PDWT5KYYPLTQRGOXHBMT6PC                                                                                                          |
| 14-03 | 1702 | Register  | 30 chr EAM BMBQBX EYJAH6DYSQKZAK6ETMT7CEA                                                                                                          |
| 14-03 | 1731 | Register  | 30 chr EAM BM4ZKV PDWT5KYYPLTQRGOXHBMT6PC                                                                                                          |
| 14-03 | 1733 | Register  | 30 chr EAM BMBQBX EYJAH6DYSQKZAK6ETMT7CEA                                                                                                          |
| 14-03 | 1807 | Register  | 30 chr EAM for Pronto Z7OUAG PCN5BV6GSVUI5T2NJIYFX2WW                                                                                              |
| 14-03 | 1820 | Register  | 30 chr EAM BMLU4Q NUPUMZGH54XC4OU5GOIS5PEH                                                                                                         |
| 14-03 | 2326 | Register  | 30 chr EAM BMJS6P C2UONCA42LBHIQ6HMIJWUAZG2                                                                                                        |
| 14-03 | 2338 | Register  | 30 chr EAM BM5UNN 4QDV3B65EBWKF4W7PVJOOD4U                                                                                                         |
| 14-03 | 2346 | Register  | 30 chr EAM BM5LHA LLHOGETQTNCLONFY7D2TN7YG                                                                                                         |
| 14-03 | 2351 | Register  | 30 chr EAM BM5BEC B2KMPW5Z7SGZBHXGZYJJQREO                                                                                                         |
| 15-03 | 0003 | Advisable | 30 chr EAM BMXZBB DLBRA4OXOVPOMSW2XRE4L6NC                                                                                                         |
| 15-03 | 0006 | Advisable | 30 chr EAM BMPJKN BOPJFI6RZOXD7H2UUIF6NU2G                                                                                                         |
| 15-03 | 0015 | Andrews   | Skyking msg Pink Floyd Time 15 Auth MQ                                                                                                             |
| 15-03 | 0533 | Advisable | 30 chr EAM BMYFTD JQUJQLIOXULPHY23KURCIG5B                                                                                                         |
| 15-03 | 0543 | Advisable | 30 chr EAM BMQ2H3 XOYIEGG7ZZND5DA6A64GGMAX                                                                                                         |
| 15-03 | 0546 | Advisable | 30 chr EAM BMI6US OJVPSKN7EULA5FQOV4PHR3ZI                                                                                                         |
| 15-03 | 0549 | Andrews   | Skyking msg The Who Time 49 Auth LL                                                                                                                |
| 15-03 | 0631 | Advisable | 30 chr EAM BMI6US OJVPSKN7EULA5FQOV4PHR3ZI                                                                                                         |
| 15-03 | 0633 | Advisable | 30 chr EAM BMQ2H3 XOYIEGG7ZZND5DA6A64GGMAX                                                                                                         |
| 15-03 | 0636 | Advisable | 30 chr EAM BMHC25 BL7HTMMCMQE2Q2IBHDPMBK4H                                                                                                         |
| 15-03 | 0638 | Advisable | 30 chr EAM BMTP3Y 2K74NJXYHVPUB4GF5GJQK35                                                                                                          |
| 15-03 | 0641 | Advisable | 30 chr EAM BM4XN3 NJYCOO562X7ESHJFNK6ZK744                                                                                                         |
| 15-03 | 0644 | Advisable | 30 chr EAM BMLC55 CFO4CUORZACWZAIIPYRFY2KT                                                                                                         |
| 15-03 | 0650 | Advisable | 30 chr EAM BMYFTD JQUJQLIOXULPHY23KURCIG5B                                                                                                         |
| 15-03 | 0700 | Advisable | 30 chr EAM BMP53R ATPWWBLIRX7YGPDGOFVOQO2B                                                                                                         |
| 15-03 | 0703 | Advisable | 30 chr EAM BMUHX3 O5NKIQYW6WOJFOZZFDZ6LF3R                                                                                                         |
| 15-03 | 0705 | Advisable | 30 chr EAM BMDXBZ D463MZ6FIBPOOAE5D2EWFYK                                                                                                          |
| 15-03 | 0709 | Advisable | 30 chr EAM BM346V RZKGBPHEFVL4SONMJTBUKEYL                                                                                                         |
| 15-03 | 0711 | Advisable | 30 chr EAM BMI6US OJVPSKN7EULA5FQOV4PHR3ZI                                                                                                         |
| 15-03 | 0714 | Advisable | 30 chr EAM BMQ2H3 XOYIEGG7ZZND5DA6A64GGMAX                                                                                                         |
| 15-03 | 0716 | Advisable | 30 chr EAM BMYFTD JQUJQLIOXULPHY23KURCIG5B                                                                                                         |
| 15-03 | 2238 | Andrews   | Skyking msg Pearl Jam Time 38 Auth FC                                                                                                              |
| 16-03 | 0003 | Linotype  | Skyking msg Nirvana Time 03 Auth CV                                                                                                                |
| 16-03 | 0051 | Linotype  | Skyking msg Hendrix Time 51 Auth VZ                                                                                                                |
| 16-03 | 0054 | Linotype  | 30 chr EAM BMQR4P 3OOAGRBB4DJSOTT4PKUTUEFT                                                                                                         |
| 16-03 | 0346 | Linotype  | Skyking msg Outfield Time 46 Auth GZ                                                                                                               |
| 16-03 | 0352 | Linotype  | Skyking msg Slipknot Time 52 Auth NW                                                                                                               |
| 16-03 | 2016 | Linotype  | 30 chr EAM for White Water Z7VP67 H3FM3DDWLKVJ25LNMU2NFTNZ                                                                                         |
| 16-03 | 2036 | Linotype  | 30 chr EAM for White Water Z7DULY Y4LTXIKM6AUFZVTT65LNQ4YC                                                                                         |
| 16-03 | 2206 | Linotype  | 30 chr EAM for Batey-91 Z7UFBR VGYHAQQMJVRMDE5KYV5AJVNW                                                                                            |
| 16-03 | 2239 | Linotype  | 30 chr EAM BM5HXX F7JD2QBBV7N23LJVTDSZQQE                                                                                                          |
| 17-03 | 0146 | Musketeer | 30 chr EAM BMGYXQ E7Q4OO7WNFH4F55PB34QM2D3                                                                                                         |
| 17-03 | 0356 | Musketeer | Skyking msg Rush Time 56 Auth JR                                                                                                                   |



|       |      |           |                                                                                                                                                                                                                                                                  |
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| 17-03 | 0551 | Musketeer | 30 chr EAM BMUT7T UTVJTHF4HOCVTKY2WHT7TYBK                                                                                                                                                                                                                       |
| 17-03 | 0555 | Musketeer | 30 chr EAM BMP6ZS N7VABLT6R434DULRE5GZHQZU                                                                                                                                                                                                                       |
| 17-03 | 0608 | Musketeer | 30 chr EAM BMD2UT IARWASNPSZ3R6DLVPJXN5G3S                                                                                                                                                                                                                       |
| 17-03 | 0613 | Musketeer | 30 chr EAM BMMCMS J57RV3YBWWUFMW7VMQQSJIT4                                                                                                                                                                                                                       |
| 17-03 | 0632 | Musketeer | 30 chr EAM BMJEQW HVPCY2P74TIZCCWRCVOVPNCE                                                                                                                                                                                                                       |
| 17-03 | 0635 | Musketeer | 30 chr EAM BMCD3 L7TLHYTODTIC5EPWH6ZLIRMW                                                                                                                                                                                                                        |
| 17-03 | 0702 | Musketeer | 30 chr EAM BMCD3 L7TLHYTODTIC5EPWH6ZLIRMW                                                                                                                                                                                                                        |
| 17-03 | 0705 | Musketeer | 30 chr EAM BMJEQW HVPCY2P74TIZCCWRCVOVPNCE                                                                                                                                                                                                                       |
| 17-03 | 0708 | Musketeer | 30 chr EAM BMMCMS J57RV3YBWWUFMW7VMQQSJIT4                                                                                                                                                                                                                       |
| 17-03 | 1733 | Musketeer | 30 chr EAM for Shag Carpet Z74JV3 VFNCTRZU5TXGDACMCL4ISGLR                                                                                                                                                                                                       |
| 17-03 | 1753 | Musketeer | 30 chr EAM BML7HU KEVBFBHXQT7CS7EEF3NULMP7                                                                                                                                                                                                                       |
| 17-03 | 1803 | Musketeer | 30 chr EAM for Shag Carpet Z7X7AU 35KLVPXKFTILRB4ZUWAT7TJF                                                                                                                                                                                                       |
| 17-03 | 2221 | Musketeer | 30 chr EAM for Shag Carpet Z7USS7 CQQ72NP46MT4CKKVCYSYKRBMQ                                                                                                                                                                                                      |
| 17-03 | 2242 | Musketeer | 30 chr EAM for Shag Carpet Z77KNN QYN3YVHBIVZSAWTSNDNCQB3DB                                                                                                                                                                                                      |
| 17-03 | 2339 | Musketeer | 30 chr EAM for Shag Carpet BMM37H 66CEZ5D75RH7WHQLXEDAKQZA                                                                                                                                                                                                       |
| 17-03 | 2343 | Musketeer | 30 chr EAM for Shag Carpet BMNLN4 FCHSM7BCXHNKYK6OKSXMBSZY                                                                                                                                                                                                       |
| 18-03 | 0308 | Tree Beam | Skyking msg Kiss Time 08 Auth OH                                                                                                                                                                                                                                 |
| 18-03 | 0659 | Tree Beam | 30 chr EAM BM24RG 4SUCD2PXTLGL3HMH454QP42                                                                                                                                                                                                                        |
| 18-03 | 0713 | Tree Beam | 30 chr EAM BMFTAB KGYUZA73GPMR4FUZ3DRQEE                                                                                                                                                                                                                         |
| 18-03 | 1409 | Tree Beam | 30 chr EAM BMHFMU 5XNBW5WTHPTSOW6RIN7DADG                                                                                                                                                                                                                        |
| 18-03 | 1413 | Tree Beam | 30 chr EAM BMCNUA 7FNJ5BG4VIF64TY6GXZ57PAH                                                                                                                                                                                                                       |
| 18-03 | 1424 | Tree Beam | 30 chr EAM BME053 ITET75PLHPAONSCWZBYJBML                                                                                                                                                                                                                        |
| 18-03 | 1432 | Tree Beam | 30 chr EAM BMOQKP RXVQ6EV36AP3HHU6UWQOY35S                                                                                                                                                                                                                       |
| 18-03 | 1807 | Tree Beam | 30 chr EAM for Shag Carpet Z7BXAQ ZUWDZ2IOWP32QEDYDDQ7BSAY                                                                                                                                                                                                       |
| 18-03 | 1817 | Tree Beam | 30 chr EAM for Shag Carpet Z7GKJ3 TXE5IEOZA62XZPKHAJA67M6B                                                                                                                                                                                                       |
| 18-03 | 1828 | Tree Beam | 30 chr EAM for Shag Carpet Z7IL5E GNCPJNRSXM3UE7A7USMADVN5                                                                                                                                                                                                       |
| 18-03 | 2002 | Tree Beam | 30 chr EAM BMD5NU TPTZLPVUUBC6UXDAAZC562MX                                                                                                                                                                                                                       |
| 18-03 | 2322 | Tree Beam | 30 chr EAM BMYGPN OD4SW7NPTFTPER6WD4DEXS3                                                                                                                                                                                                                        |
| 19-03 | 0047 | Material  | 30 chr EAM BMTYQY NOKW6R3YISQZ5NEBRKE663W2                                                                                                                                                                                                                       |
| 19-03 | 0530 | Material  | 30 chr EAM BMNJXP KURIUUZ7BG2MHIZ5HQPINARP                                                                                                                                                                                                                       |
| 19-03 | 0537 | Material  | 30 chr EAM BMFV4K QYVPSMIVKBGGECUVNLIQ7GE                                                                                                                                                                                                                        |
| 19-03 | 0551 | Material  | 30 chr EAM BMOSLV OFCPRQYW3IBOXQZLHSJXZK7E                                                                                                                                                                                                                       |
| 19-03 | 0600 | Material  | 30 chr EAM BMGDJE 2X33GXVYN4QFCRORPEXN3FO7                                                                                                                                                                                                                       |
| 19-03 | 0929 | Material  | 30 chr EAM for Syntax Z7U7Y2 5FZ6CRXOY6J2P7MUHDDXQZ47                                                                                                                                                                                                            |
| 19-03 | 1630 | Material  | 235 chr EAM YD707L<br>RLBGYH2H43E74ZCFRIARCXO46YUTRPEXMEEDNPIROLROALJDMIEZTKHVKE6QNHCSJN<br>ZUJKOPEQGNQDDHVQIT7V5CRBSQMLJ7LLUEZBS2P4IYEJOJWLS6GMNP3JMZYCGTW<br>6V6JS6WSPBOCC2UEA5RNPW3X7XGDXWDBFK44QXRDXCWNVUF0FINUBN3FOCCREUPI<br>OPQAZTIT4EZWEPCXCCED4KPJCINGZ |
| 19-03 | 1700 | Material  | 235 chr EAM YD707L<br>RLBGYH2H43E74ZCFRIARCXO46YUTRPEXMEEDNPIROLROALJDMIEZTKHVKE6QNHCSJN<br>ZUJKOPEQGNQDDHVQIT7V5CRBSQMLJ7LLUEZBS2P4IYEJOJWLS6GMNP3JMZYCGTW<br>6V6JS6WSPBOCC2UEA5RNPW3X7XGDXWDBFK44QXRDXCWNVUF0FINUBN3FOCCREUPI<br>OPQAZTIT4EZWEPCXCCED4KPJCINGZ |
| 19-03 | 1717 | Material  | 30 chr EAM for Smooth Z76QIN UG57IOSQEOBQOE2CYU6AB7U                                                                                                                                                                                                             |
| 19-03 | 1725 | Material  | 30 chr EAM BMO4YT IIE3T3CTHR5YTEUVFLAX4VDW                                                                                                                                                                                                                       |
| 19-03 | 1730 | Material  | 235 chr EAM YD707L<br>RLBGYH2H43E74ZCFRIARCXO46YUTRPEXMEEDNPIROLROALJDMIEZTKHVKE6QNHCSJN<br>ZUJKOPEQGNQDDHVQIT7V5CRBSQMLJ7LLUEZBS2P4IYEJOJWLS6GMNP3JMZYCGTW<br>6V6JS6WSPBOCC2UEA5RNPW3X7XGDXWDBFK44QXRDXCWNVUF0FINUBN3FOCCREUPI<br>OPQAZTIT4EZWEPCXCCED4KPJCINGZ |
| 19-03 | 1744 | Material  | 30 chr EAM BMRVUY NMPK2TQIV2CDCPZ2I5BIPBNN                                                                                                                                                                                                                       |
| 19-03 | 1748 | Material  | 30 chr EAM BMG4FX CFWGHACLHST6JIVETC5EZVK6                                                                                                                                                                                                                       |
| 19-03 | 1801 | Material  | 30 chr EAM BMKD6S NWBWLSUJTDEXZDNE6DKK43BN                                                                                                                                                                                                                       |
| 19-03 | 1807 | Material  | 235 chr EAM YD707L<br>RLBGYH2H43E74ZCFRIARCXO46YUTRPEXMEEDNPIROLROALJDMIEZTKHVKE6QNHCSJN<br>ZUJKOPEQGNQDDHVQIT7V5CRBSQMLJ7LLUEZBS2P4IYEJOJWLS6GMNP3JMZYCGTW<br>6V6JS6WSPBOCC2UEA5RNPW3X7XGDXWDBFK44QXRDXCWNVUF0FINUBN3FOCCREUPI<br>OPQAZTIT4EZWEPCXCCED4KPJCINGZ |
| 19-03 | 1810 | Material  | 30 chr EAM BMO4YT IIE3T3CTHR5YTEUVFLAX4VDW                                                                                                                                                                                                                       |

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| 19-03 | 1814 | Material | 30 chr EAM BMR6PL O4J7B4XBESGNGGCWT3D6CLUH                                                                                                                                                                                                                         |
| 19-03 | 1840 | Material | 30 chr EAM BMO4YT IIE3T3CTHR5YTEUVFLAX4VDW                                                                                                                                                                                                                         |
| 19-03 | 1842 | Material | 235 chr EAM YD7O7L nothing more                                                                                                                                                                                                                                    |
| 19-03 | 1848 | Material | 235 chr EAM YD7O7L<br>RLBGYH2H43E74ZCFRIARCXO46YUTRPEXMEEDNPIROLROALJDMIEZTKHVKE6QNHCSJN<br>ZUJKOPEQGNQQDDHVQIT7V5CRBSQMLJ7LLUEZBS2P4IYEJOJWLS6GMNP3JMZYCGTW<br>6V6JS6WSPBOCC2UEA5RNPW3X7XGDXWDBFK44QXRDXCWNVUFOFINUBN3FOCCREUPI<br>OPQAZTIT4EZWEPKCXXCED4KPJCINGZ |
| 19-03 | 1900 | Material | 30 chr EAM BMO4YT IIE3T3CTHR5YTEUVFLAX4VDW                                                                                                                                                                                                                         |
| 19-03 | 1902 | Material | 235 chr EAM YD7O7L<br>RLBGYH2H43E74ZCFRIARCXO46YUTRPEXMEEDNPIROLROALJDMIEZTKHVKE6QNHCSJN<br>ZUJKOPEQGNQQDDHVQIT7V5CRBSQMLJ7LLUEZBS2P4IYEJOJWLS6GMNP3JMZYCGTW<br>6V6JS6WSPBOCC2UEA5RNPW3X7XGDXWDBFK44QXRDXCWNVUFOFINUBN3FOCCREUPI<br>OPQAZTIT4EZWEPKCXXCED4KPJCINGZ |
| 19-03 | 1930 | Material | 30 chr EAM BMO4YT IIE3T3CTHR5YTEUVFLAX4VDW                                                                                                                                                                                                                         |
| 19-03 | 1932 | Material | 235 chr EAM YD7O7L<br>RLBGYH2H43E74ZCFRIARCXO46YUTRPEXMEEDNPIROLROALJDMIEZTKHVKE6QNHCSJN<br>ZUJKOPEQGNQQDDHVQIT7V5CRBSQMLJ7LLUEZBS2P4IYEJOJWLS6GMNP3JMZYCGTW<br>6V6JS6WSPBOCC2UEA5RNPW3X7XGDXWDBFK44QXRDXCWNVUFOFINUBN3FOCCREUPI<br>OPQAZTIT4EZWEPKCXXCED4KPJCINGZ |
| 19-03 | 1949 | Material | 30 chr EAM BM4HRD IUM7POZOOTTKHPJ3R2GSJ2EL                                                                                                                                                                                                                         |
| 19-03 | 2325 | Material | 30 chr EAM BMN3U7 QTUSTRKGH4LYFCF4LZUGU7F2                                                                                                                                                                                                                         |
| 19-03 | 2329 | Material | 30 chr EAM BMWB3O EANS7F22IWXTT6A7B6DSAEP                                                                                                                                                                                                                          |
| 20-03 | 0032 | Fandango | 30 chr EAM BMSNCV QVCKTSZSXC5Y4QA22N7X6IH                                                                                                                                                                                                                          |
| 20-03 | 0103 | Fandango | 30 chr EAM for Rigby Z7TDDW UBY5PK7D2R3ZRN6CEWALWB5G                                                                                                                                                                                                               |
| 20-03 | 0501 | Andrews  | Skyking msg Hanson Time 01 Auth WM                                                                                                                                                                                                                                 |
| 20-03 | 0504 | Andrews  | Skyking msg Hanson Time 04 Auth LT                                                                                                                                                                                                                                 |
| 20-03 | 0504 | Andrews  | Skyking msg Hanson Time 04 Auth RQ disregard this transmission                                                                                                                                                                                                     |
| 20-03 | 0537 | Andrews  | Skyking msg Corn Time 37 Auth TC                                                                                                                                                                                                                                   |
| 20-03 | 0551 | Andrews  | Skyking msg Pixies Time 51 Auth TW                                                                                                                                                                                                                                 |
| 20-03 | 0554 | Andrews  | Skyking msg Pixies Time 54 Auth BX                                                                                                                                                                                                                                 |
| 20-03 | 0556 | Andrews  | Skyking msg Pixies Time 56 Auth GT                                                                                                                                                                                                                                 |
| 20-03 | 0619 | Fandango | 30 chr EAM BMJMJZ XW7MATLBPDUJ65ML6KDWSKTR                                                                                                                                                                                                                         |
| 20-03 | 0648 | Fandango | 30 chr EAM BMNBPO WTVEVKQXTSGYFGK6B3MHXG5Z                                                                                                                                                                                                                         |
| 20-03 | 0651 | Fandango | 30 chr EAM BMJ4FB 444BQBZSG7DUFQF5UGGXFUNE                                                                                                                                                                                                                         |
| 20-03 | 0655 | Fandango | 30 chr EAM BMAW4S 2GRZGZCIG3IQ7S2LMKEQEWX                                                                                                                                                                                                                          |
| 20-03 | 0707 | Fandango | 30 chr EAM BMXU5S V3DU62SZ47M2WS4ENMIHHG6S                                                                                                                                                                                                                         |
| 20-03 | 0730 | Fandango | 30 chr EAM BMXU5S V3DU62SZ47M2WS4ENMIHHG6S                                                                                                                                                                                                                         |
| 20-03 | 0732 | Fandango | 30 chr EAM BMAW4S 2GRZGZCIG3IQ7S2LMKEQEWX                                                                                                                                                                                                                          |
| 20-03 | 0734 | Fandango | 30 chr EAM BMJ4FB 444BQBZSG7DUFQF5UGGXFUNE                                                                                                                                                                                                                         |
| 20-03 | 0947 | Fandango | 30 chr EAM for Air-8 Z7JYGZ MUSTB2VOGMEVQFNSGP3PCPGS                                                                                                                                                                                                               |
| 20-03 | 1004 | Fandango | 41 chr EAM Z7LO5Z CYSDKTQYFBE6KK66O6I66OGOKMY7PXGVIF                                                                                                                                                                                                               |
| 20-03 | 1406 | Fandango | 30 chr EAM BM7RP4 P2S2C5KYXZFDGASNPR5KVZGV                                                                                                                                                                                                                         |
| 20-03 | 1410 | Fandango | 30 chr EAM BMXFQB OB46MYEM3KNOZJDF5Y4CN6JI                                                                                                                                                                                                                         |
| 20-03 | 1433 | Fandango | 30 chr EAM BMUVC3 YO47QDFT2TMSG2ZCRQSVCZE7                                                                                                                                                                                                                         |
| 20-03 | 1443 | Fandango | 30 chr EAM BM2VFN OW2N6AKV76JSRABUEZGK3P2                                                                                                                                                                                                                          |
| 20-03 | 1455 | Fandango | 30 chr EAM BMYKAZ BCC2G4O5NX5OAE6PK3JCD3X                                                                                                                                                                                                                          |
| 20-03 | 1500 | Fandango | 30 chr EAM BM5WWA OFF4RBAAHACQWF4G6TPI57KU                                                                                                                                                                                                                         |
| 20-03 | 1705 | Fandango | 30 chr EAM for Rigby Z7VIDX LX6T5BJGVNHMNQ5YZX5N4BXW                                                                                                                                                                                                               |
| 20-03 | 1720 | Fandango | 30 chr EAM BMNFTR B4P6ZS2YNVCVMWUU2GBSRZDU                                                                                                                                                                                                                         |
| 20-03 | 1807 | Fandango | 47 chr EAM Z7IFEG EVR4JS3U7WMADSB5YCSAEQ3TGOQKFHAESUR43HAMY                                                                                                                                                                                                        |
| 20-03 | 1812 | Fandango | 30 chr EAM for Rigby Z7BAXC SL7RTGNXPWO5WUR6YSBBCAL                                                                                                                                                                                                                |
| 20-03 | 1830 | Fandango | 47 chr EAM Z7IFEG EVR4JS3U7WMADSB5YCSAEQ3TGOQKFHAESUR43HAMY                                                                                                                                                                                                        |
| 20-03 | 1834 | Fandango | 30 chr EAM for Rigby Z7BBYA WA5XCSRAOPGUIBUMELQS7FQI                                                                                                                                                                                                               |
| 20-03 | 1845 | Fandango | 30 chr EAM BM3RPQ 2YRM6JZTEWE4JXWUTYUUFOWH                                                                                                                                                                                                                         |
| 20-03 | 1901 | Fandango | 47 chr EAM Z7IFEG EVR4JS3U7WMADSB5YCSAEQ3TGOQKFHAESUR43HAMY                                                                                                                                                                                                        |
| 20-03 | 1931 | Fandango | 47 chr EAM Z7IFEG EVR4JS3U7WMADSB5YCSAEQ3TGOQKFHAESUR43HAMY                                                                                                                                                                                                        |
| 20-03 | 1938 | Fandango | 47 chr EAM Z7IFEG EVR4JS3U7WMADSB5YCSAEQ3TGOQKFHAESUR43HAMY                                                                                                                                                                                                        |
| 20-03 | 2006 | Fandango | 30 chr EAM Z77E5D VHTFGIAIL4KVUFF5HNSVWFR                                                                                                                                                                                                                          |
| 20-03 | 2022 | Fandango | 47 chr EAM for Certified Mail Z7X63X JSPMCV3J6V3HGETW4AMTTL2B                                                                                                                                                                                                      |

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|-------|------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21-03 | 1933 | Energetic | 30 chr EAM BM4UOX OX7TZQZVUSYUVEKDI6E2NKE5                                                                                                                                   |
| 21-03 | 2233 | Energetic | 30 chr EAM BMK33C DNF5L5Y5Y7W4MIXNAU66DURB                                                                                                                                   |
| 22-03 | 0107 | Stockade  | 30 chr EAM Z7DCX2 WJJXORLNRMWHL4JSHRQ5IG                                                                                                                                     |
| 22-03 | 0122 | Stockade  | 30 chr EAM Z7Z2JR JVVAKKM7XKAYKG6ELW7UUVJB                                                                                                                                   |
| 22-03 | 0127 | Stockade  | 30 chr EAM Z7R5HO PE2O67RKA4DBURADLOCWMHLX                                                                                                                                   |
| 22-03 | 0148 | Stockade  | Skyking msg Deep Purple Time 48 Auth NA                                                                                                                                      |
| 22-03 | 0355 | Stockade  | 30 chr EAM BMJ3QY JJWUJLBYPO33F6TSLOI7VDUT                                                                                                                                   |
| 22-03 | 0358 | Stockade  | 30 chr EAM BM6OUC 5CXRNX3UHS7ZYK3SKX45ZST                                                                                                                                    |
| 22-03 | 0403 | Stockade  | 30 chr EAM BMOAQH 2IDOSHSDRXSNEVTWY7EPSKED                                                                                                                                   |
| 22-03 | 0406 | Stockade  | Skyking msg Talking Heads Time 06 Auth DK disregard this transmission                                                                                                        |
| 22-03 | 0406 | Stockade  | Skyking msg Talking Heads Time 06 Auth DK                                                                                                                                    |
| 22-03 | 0407 | Stockade  | 30 chr EAM BM37CH N33545DRLG6VWGLBOD4TDT23                                                                                                                                   |
| 22-03 | 0410 | Stockade  | 30 chr EAM BMUMFV 2454OBW4XFC3FEUDDVBYH7WN                                                                                                                                   |
| 22-03 | 0414 | Stockade  | 30 chr EAM BMCXHG BLNSK4HZ4QQXZLH75CF2AHVS                                                                                                                                   |
| 22-03 | 1003 | Stockade  | 30 chr EAM for Print Hammer Z7TPSR DPYM567LTUGPFVYDERZHSVVB                                                                                                                  |
| 22-03 | 1017 | Stockade  | 41 chr EAM Z72V3K GWN2NOYDJ6BA6KGXEGSGXEZ6VYPXBJZ2KG                                                                                                                         |
| 22-03 | 1451 | Stockade  | 41 chr EAM YDG2QO disregard this transmission                                                                                                                                |
| 22-03 | 1452 | Stockade  | 48 chr EAM YDG2QO T6NT667YL3G5R37LFP3LKWCL2LKKEKX75FFP6OFR5C                                                                                                                 |
| 22-03 | 1501 | Stockade  | 148 chr EAM YDH722<br>XM55WKUYVVBE6EDL2CVKU74Y6TFFPA555L3533V76SEONIH76WWHJOOONIO66Q4YN<br>P4JMWLF77ETBBBOFBGGMALVUS62JYAFF7X333FG3CCQU4GFESXUQOBBJQYYY2FYIIGN<br>B4LEEQVCJS |
| 22-03 | 1517 | Stockade  | 30 chr EAM 3VHMLR 6LIXOMPW4BAAYDNCITJX??                                                                                                                                     |
| 22-03 | 1630 | Stockade  | 30 chr EAM 3V7QKD YF42AETJYGVCLZCQF5ZD3NV                                                                                                                                    |
| 22-03 | 1632 | Stockade  | 148 chr EAM YDH722<br>XM55WKUYVVBE6EDL2CVKU74Y6TFFPA555L3533V76SEONIH76WWHJOOONIO66Q4YN<br>P4JMWLF77ETBBBOFBGGMALVUS62JYAFF7X333FG3CCQU4GFESXUQOBBJQYYY2FYIIGN<br>B4LEEQVCJS |
| 22-03 | 1642 | Stockade  | 48 chr EAM YDG2QO T6NT667YL3G5R37LFP3LKWCL2LKKEKX75FFP6OFR5C                                                                                                                 |
| 22-03 | 1700 | Stockade  | 30 chr EAM 3V7QKD YF42AETJYGVCLZCQF5ZD3NV                                                                                                                                    |
| 22-03 | 1702 | Stockade  | 148 chr EAM YDH722<br>XM55WKUYVVBE6EDL2CVKU74Y6TFFPA555L3533V76SEONIH76WWHJOOONIO66Q4YN<br>P4JMWLF77ETBBBOFBGGMALVUS62JYAFF7X333FG3CCQU4GFESXUQOBBJQYYY2FYIIGN<br>B4LEEQVCJS |
| 22-03 | 1711 | Stockade  | 48 chr EAM YDG2QO T6NT667YL3G5R37LFP3LKWCL2LKKEKX75FFP6OFR5C                                                                                                                 |
| 22-03 | 1723 | Stockade  | 30 chr EAM 3VNXH7 XKTS3TZRDQDJIK76HAFJR72K                                                                                                                                   |
| 22-03 | 1726 | Stockade  | 30 chr EAM 3VFH2G 2QP4QPTNRXJLD3CC4KOWYOVN                                                                                                                                   |
| 22-03 | 1730 | Stockade  | 30 chr EAM 3V7QKD YF42AETJYGVCLZCQF5ZD3NV                                                                                                                                    |
| 22-03 | 1732 | Stockade  | 148 chr EAM YDH722<br>XM55WKUYVVBE6EDL2CVKU74Y6TFFPA555L3533V76SEONIH76WWHJOOONIO66Q4YN<br>P4JMWLF77ETBBBOFBGGMALVUS62JYAFF7X333FG3CCQU4GFESXUQOBBJQYYY2FYIIGN<br>B4LEEQVCJS |
| 22-03 | 1741 | Stockade  | 48 chr EAM YDG2QO T6NT667YL3G5R37LFP3LKWCL2LKKEKX75FFP6OFR5C                                                                                                                 |
| 22-03 | 1800 | Stockade  | 30 chr EAM 3V7QKD disregard this transmission                                                                                                                                |
| 22-03 | 1803 | Stockade  | 30 chr EAM 3V7QKD YF42AETJYGVCLZCQF5ZD3NV                                                                                                                                    |
| 22-03 | 1804 | Stockade  | 48 chr EAM YDG2QO disregard this transmission                                                                                                                                |
| 22-03 | 1807 | Stockade  | 30 chr EAM 3V7QKD YF42AETJYGVCLZCQF5ZD3NV                                                                                                                                    |
| 22-03 | 1809 | Stockade  | 148 chr EAM YDH722<br>XM55WKUYVVBE6EDL2CVKU74Y6TFFPA555L3533V76SEONIH76WWHJOOONIO66Q4YN<br>P4JMWLF77ETBBBOFBGGMALVUS62JYAFF7X333FG3CCQU4GFESXUQOBBJQYYY2FYIIGN<br>B4LEEQVCJS |
| 22-03 | 1817 | Stockade  | 48 chr EAM YDG2QO disregard this transmission                                                                                                                                |
| 22-03 | 1822 | Stockade  | 30 chr EAM 3V7QKD YF42AETJYGVCLZCQF5ZD3NV                                                                                                                                    |
| 22-03 | 1825 | Stockade  | 148 chr EAM YDH722<br>XM55WKUYVVBE6EDL2CVKU74Y6TFFPA555L3533V76SEONIH76WWHJOOONIO66Q4YN<br>P4JMWLF77ETBBBOFBGGMALVUS62JYAFF7X333FG3CCQU4GFESXUQOBBJQYYY2FYIIGN<br>B4LEEQVCJS |
| 22-03 | 1832 | Stockade  | 48 chr EAM YDG2QO T6NT667YL3G5R37LFP3LKWCL2LKKEKX75FFP6OFR5C                                                                                                                 |
| 22-03 | 1932 | Stockade  | 30 chr EAM 3VWZ3K 6ISEBD6BULYWB6B2JIJCRE73                                                                                                                                   |
| 22-03 | 2343 | Stockade  | 30 chr EAM Z7XBDM XF34XFCARXBIKPGPLXIF7SXE                                                                                                                                   |

|       |      |            |                                                                                                         |
|-------|------|------------|---------------------------------------------------------------------------------------------------------|
| 22-03 | 2348 | Stockade   | 30 chr EAM Z7BFB7 ZQUEHEJPYHTLSASLMJ2CFZTN                                                              |
| 22-03 | 2355 | Stockade   | 30 chr EAM 3V4ZDI KJXYKUJSSBOVXPPN3PANQQVN                                                              |
| 23-03 | 0004 | Stingray   | 30 chr EAM 3VB32Y GHHLXDSEG4G6TUOXCQB5HF4W                                                              |
| 23-03 | 0046 | Stingray   | 30 chr EAM 3VCPNZ D6NIEN6E3GUOE6NVOZ4MZO7E                                                              |
| 23-03 | 0205 | Stingray   | Skyking msg Queen Time 05 Auth WY                                                                       |
| 23-03 | 0504 | Stingray   | 30 chr EAM 3VFGZ7 KN3NHWJLYR6H5BVYOMDK3G6U                                                              |
| 23-03 | 0508 | Stingray   | 30 chr EAM 3VFGZ7 KN3NHWJLYR6H5BVYOMDK3G6U                                                              |
| 24-03 | 0351 | Andrews    | Skyking msg Seagulls Time 51 Auth PS                                                                    |
| 24-03 | 0404 | Authograph | 30 chr EAM 3VLOCL AWKZQBQKUF4SP37W3DBZWR2N                                                              |
| 24-03 | 0407 | Authograph | 30 chr EAM 3VKGXP O4DQJ3J7CPSP76XFVXW7DUFO                                                              |
| 24-03 | 0412 | Authograph | 30 chr EAM 3V7A74 4Z46S2N4PBG2L7F4AEU4C6OD                                                              |
| 24-03 | 0415 | Authograph | 30 chr EAM 3VEUCM EA2TR66YG3O4M3VWZGGXVKZE                                                              |
| 27-03 | 2231 | Double Up  | 30 chr EAM 3VVO3R 2Z3H3V7K4RRJVJDFMZNFFUIM                                                              |
| 27-03 | 2255 | Double Up  | 30 chr EAM 3VUSUW 5PCTTZLTFHWKXXPVL6URK6TP                                                              |
| 28-03 | 0032 | Backbone   | 30 chr EAM 3VVVP3 34UWUI6DNUWPQJXYE4LAQDJQ                                                              |
| 28-03 | 0056 | Backbone   | 30 chr EAM 3VSWZS 6O6RVSXTCPOXEXR3ZYGFRHF                                                               |
| 28-03 | 0226 | Backbone   | Skyking msg: Seagulls Time 26 Auth RL                                                                   |
| 28-03 | 0447 | Backbone   | Skyking msg: Seagulls Time 47 Auth KP                                                                   |
| 28-03 | 0512 | Backbone   | Skyking msg: Pixies Time 12 Auth KW                                                                     |
| 28-03 | 0612 | Backbone   | 30 chr EAM 3VYAZO K6VNLWXQARCRJE4PGG7E2X6S                                                              |
| 28-03 | 0617 | Backbone   | 30 chr EAM 3VW35C VESGGD2BIIBYSLPZ5F3E4RL4                                                              |
| 28-03 | 1756 | Backbone   | 30 chr EAM Z7FKSB NMOOR3CGXBUHD7IXYE7E2ZTD                                                              |
| 28-03 | 2046 | Backbone   | 30 chr EAM 3VEIVN LHZHUW7CLYDDATS73M7XHEDC                                                              |
| 28-03 | 2352 | Backbone   | 30 chr EAM 3VFX4L AEPXO7PS4UNBSXG6OI6GWYY5                                                              |
| 28-03 | 2356 | Backbone   | 30 chr EAM 3VXPMH 6HY47IWRA2PVKA2ILRXO7G3L                                                              |
| 28-03 | 2358 | Backbone   | 30 chr EAM 3VMHXX QHAAJGD2RYMXO5WRXPS2CCB                                                               |
| 29-03 | 0001 | Valideer   | 30 chr EAM 3VM3QE MDSWGRQ5W6URPS6UASRO3D36                                                              |
| 29-03 | 0003 | Valideer   | 30 chr EAM 3VEPGQ 4HDPUBCF7IE4O4UNINAFJ4XP                                                              |
| 29-03 | 0027 | Valideer   | 30 chr EAM 3V5RP6 CPMIXVSOWSX326VT6YTBFL6                                                               |
| 29-03 | 0217 | Andrews    | Skyking msg: Pink Floyd Time 17 Auth BG                                                                 |
| 29-03 | 0228 | Andrews    | Skyking msg: Queen Time 28 Auth VN                                                                      |
| 29-03 | 0625 | Valideer   | 30 chr EAM 3V326Q LTHJJ7JRS35HRNUTGYNKEKLA                                                              |
| 29-03 | 0627 | Valideer   | 30 chr EAM 3VWMIW 7BOPO4Q6RJC5RLRJHF3EH6JY                                                              |
| 29-03 | 0648 | Valideer   | 30 chr EAM 3VRJ4S YZ2UK7T4F4FEULUJI2JXOPHW                                                              |
| 29-03 | 1848 | Valideer   | 30 chr EAM Z7XVGJ BWFL3KKJM6Y5VMCYAHXECZQIONWEBAZ                                                       |
| 29-03 | 2117 | Valideer   | 30 chr EAM 3VO54B XSLHH4EZJ6JT6QFCFFGEVIL                                                               |
| 29-03 | 2132 | Valideer   | 30 chr EAM 3VDIJA F2UTZVVAZU6Z3Y2BCIH3ALR                                                               |
| 30-03 | 0023 | Hard Luck  | 30 chr EAM 3VA4XY JRLZJBNUCGOINFG6GPWJ26Y                                                               |
| 30-03 | 0033 | Hard Luck  | 30 chr EAM 3V4WXX ZTZ7HDCVYZHSOGIBQOSHLHYZ                                                              |
| 30-03 | 0357 | West Coast | Skyking msg: Hendrix Time 56 Auth PN                                                                    |
| 30-03 | 0358 | West Coast | Skyking msg: disregard my Hendrix transmitted at 57 Time 58 Auth HQ                                     |
| 30-03 | 0358 | West Coast | Skyking msg: Hendrix Time 58 Auth                                                                       |
| 30-03 | 0359 | West Coast | Skyking msg: disregard my Hendrix Time 59 Auth HQ                                                       |
| 30-03 | 0359 | West Coast | Skyking msg: Hendrix Time 59 Auth HQ                                                                    |
| 30-03 | 0505 | Andrews    | Skyking msg: Werewolf Time 55 Auth VO disregard this transmission                                       |
| 30-03 | 0506 | Andrews    | Skyking msg: disregard my Werewolf transmitted at 05 Time 06 Auth EN                                    |
| 30-03 | 0506 | Andrews    | Skyking msg: Werewolf Time 06 Auth EN                                                                   |
| 30-03 | 1816 | Hard Luck  | 30 chr EAM 3V65KD WMNO4D7BHXRA4CO2JNBPL36YY                                                             |
| 30-03 | 1934 | Hard Luck  | 30 chr EAM 3VYWVY GQFFS6TLLW7NTGBHBGQ4WZMW                                                              |
| 30-03 | 2152 | Hard Luck  | 84 chr EAM SV2IFH<br>22AWDYWXVSJXR7NWLITQ33KNO5FPJNO7WJIJCKE3EEUVMZTIAUSSMSMEJ5RKCHR233<br>33B6CVFDEDSO |
| 31-03 | 0033 | Reveille   | 30 chr EAM 3VPT7R RZZW5G47FXAOD4QBPWZ5ME4S                                                              |
| 31-03 | 1600 | Reveille   | 30 chr EAM 3VFLAI 5NVZ5O3IHO5MIJZ27BVRFBAR                                                              |



## **RUSSIAN MILITARY TRANSCRIPTS**

### ***RMv/RNv/RNAv/RAv - Russian military voice transmissions***

Excerpts from logs submitted by JPL, RP-MD, AB, AnEur,

#### **RAv – Russian Air Force**

|            |                                                             |
|------------|-------------------------------------------------------------|
| Korsar     | Russian Military Transport Aviation (VTA) HQs, Moscow       |
| Polis      | 117th Air Transport Regiment, 6956th Air Base, Orenburg     |
| Klarnetist | 12th Air Transport Division, 6955th Air Base, Migalovo/Tver |
| Proselok   | 566th Air Transport Regiment, Bryansk                       |
| Davlenie   | 708th Air Transport Regiment, 6958th Air Base, Taganrog     |
| Magnetron  | possibly 566th Military Transport Air Regiment - Seshcha    |

#### **11360 kHz, 01-03, 1141 UTC**

Korsar (Russian Military Transport Aviation (VTA) HQs, Moscow) w/85042 (TU-154M) reporting landing at ?Privozkiy?

#### **11360 kHz, 05-03, 1001 UTC**

Korsar w/76553 (IL-76MD 12th Military Transport Air Division-Tver/Migalovo) reporting departure from Pskov w/42 tons fuel--next is Perekop (Russian AB, Olenya) ETA 1520 MSK. At 1105Z reports 1 hr into flt w/39 tons fuel.

#### **5596 kHz, 05-03, 1008 UTC**

Naryan Mar Control w/8755 (weak) passing wx conditions for undisclosed location

#### **11360 kHz, 05-03, 1015 UTC**

Korsar w/76745 (IL-76MD) reporting 3 hrs into flt & "ops normal"

#### **11360 kHz, 05-03, 1026 UTC**

Korsar w/82035 (AN-124-100 Russian AF 566th Military Transport Air Regiment, Seshcha) reporting 5 hrs into flt w/41 tons fuel & "ops normal"

#### **11360 kHz, 05-03, 1041 UTC**

Korsar w/81558 reporting 4 hrs into flt w/28 tons fuel & "ops normal"

#### **11360 kHz, 05-03, 1043 UTC**

Korsar w/76772 (IL-76MD) reporting landing at Raspiska (Russian AB Mozdok) at 1341 MSK

#### **11360 kHz, 05-03, 1222 UTC**

Korsar w/78813(IL-76MD) reporting 5 hrs into flt w/25 tons fuel.

#### **11360 kHz, 05-03, 1239 UTC**

Korsar w/94268 (Russian AF A-50 AWACS) reporting departure from Raspiska w/70 tons fuel enroute to "The point" (Latakia Syria)

#### **11360 kHz, 07-03, 1308 UTC**

Korsar w/78845 (IL-76MD 224th Air Detachment, Tver--not heard) reporting 1 hr into flt w/33 tons fuel remaining & "ops normal"

#### **11360 kHz, 07-03, 1331 UTC**

Korsar w/76745 (IL-76MD) reporting 1 hr into flt w/20 tons fuel & ops normal"

#### **11360 kHz, 07-03, 1345 UTC**

Korsar w/82011 (Russian AF AN-124-100 566th Military Transport Air Regiment, Seshcha) reporting 1 hr into flt w/39 tons fuel & "ops normal". ETA landing is 1745 MSK. Korsar relays flt info to Karsta

## ***M32 - Russian / CIS Military CW Stations***

### **8512 kHz, 03-03, 0840 UTC, i.p.**

PRDG PRDG PRDG QTC AR

PRDG PRDG RPT AL

PRDG PRDG 002 23 3 1119 002 = 867 =

11111 19215 18108 64338 75292 45956 47154 07115 03757 68404

45509 41491 05838 51626 29860 43590 15573 31284 85198 93749

49457 03021 K

### **13042 kHz, 03-03, 1341 UTC, i.p.**

MQF7 MQF7 MQF7 DE N9LN N9LN K

2ZFD 2ZFD 2ZFD DE N9LN N9LN K

### **13371 kHz, 10-03, 1257 UTC**

QSV K QSV K

3R5I DE Q96F K

LWSG DE Q96F K

LWSG DE Q96F K

3R5I DE Q96F VVVVVVVVVVVVVVVVVVVV K

VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV K

FK LWSG DE Q96F K

### **13366 kHz, 28-03, 0958-1030 UTC**

P3BO DE LGJ3 K

LGJ3 RK

PFX2 R

947 K

6NLK R

947 K

947 K

947 K

P3BO DE LGJ3 K

LGJ3 QTC K

LGJ3 901 24 28 13 12 901 = 862 =

41795 61395 36464 21566 05194 82060 69378 =

41795 61305 36464 21566 05193 82060 69403 78122 70045 00993

46313 62080 24649 52607 41198 96152 35928 37558 40902 82812

93625 38355 28022 K

11465 kHz, 28-03, 0911 UTC WEGI: XXX 38419 07097 67119 FLEROCHLIC 8152 7495

10163 kHz, 28-03, 0919 UTC RDL: XXX 38419 07097 67119 FLEROCHLIC 8152 7495

10163 kHz, 28-03, 0926 UTC RDL: XXX 74888 43934 K

10163 kHz, 28-03, 0934 UTC 2V8I: XXX 08002 025515 PLESOPUK 9381 0144 K

10163 kHz, 28-03, 0940 UTC RDL: XXX 38465 09908 K

10163 kHz, 28-03, 0948 UTC RDL: XXX 74968 09762 K

## ***M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)***

### **9144 kHz, 12-03, 1055 UTC**

RIW QSU1 QSA ? K

RIW QSU1 QSA ? K

RIW QSU1 QSA ? K

RIW RK

### **9144 kHz, 12-03, 1104 UTC**

RIW QSU1 SK K

RIW II II

**9144 kHz, 12-03, 1109 UTC**

RGV87 DE RIW K  
RIW QYT4 QWH 11703  
RIW QYT4 QWH 11703 9724 QX 12414 8338 FM RAA K  
RIW RK

**9144 kHz, 12-03, 1122 UTC**

RGV87 DE RIW K

**9144 kHz, 12-03, 1124 UTC**

RIW QYT4 QWH 9500NO QWH 9523 K  
RIW RK

**5775 kHz, 13-03, 1841 UTC, i.p.**

459 506 520 527 528 565 641 668 669 679 688 691 692 694 2018 GOD 10 13 19 20 23 42 52 53 59 64 68 69 70 82 86 87 88 89 90  
91 96 97 99 100 101 102 AR

RIC87 RIC87 RIC87 DE RCV RCV QTC 242 38 12 1000 242 =

PRIP NOWOROSSISK 102 KARTA 33107 POBEREVXE KRYMA PLAWANIE ZAPREQENO S 13 0900 MART RAJONE 44/23/2 S  
033/46/6 W 44/23/2 S 033/47/9 W 44/19/2 S 033/47/9 W 44/19/2 S 033/43/2 W 44/23/2 S 033/43/2 W 44/23 2 S 033/44/5 W  
=

RIC87 RIC87 RIC87 DE RCV RCV QTC 242 38 12 1000 242 =

PRIP NOWOROSSISK 102 KARTA 33107 POBEREVXE KRYMA PLAWANIE ZAPREQENO S 13 0900 MART RAJONE 44/23/2 S  
033/46/6 W 44/23/2 S 033/47/9 W 44/19/2 S 033/47/9 W 44/19/2 S 033/43/2 W 44/23/2 S 033/43/2 W 44/23/2 S 033/44/5 W  
AR

RIC87 RIC87 RIC87 DE RCV RCV QTC 239 20 11 2335 239 =

PRIP NOWOROSSISK 101 KARTY 35130 35131 KERÖENSKIY PROLIW OGONX BUÄ SEWERNYJ SISTEMY HGAZDELENIÄ DWIV NIÄ  
45/06/75 S 036/3000 W NE DEJSTWUET =

RIC87 RIC87 RIC87 DE RCV RCV QTC 239 20 11 2335 239 =

PRIP NOWOROSSISK 101 KARTY 35130 35131 KERÖENSKIY PROLIW OGONX BUÄ SEWERNYJ SISTEMY HGAZDELENIÄ DWIV NIÄ  
45/06/75 S 036/3000 W NE DEJSTWUET AR

**4810 kHz, 17-03, RMAE: Russian Navy Baltic Fleet**

0842 UTC XXX XXX RMU51 RMU51 93346 MENIA 0466 0082 K  
0855 UTC XXX XXX RMU51 RMU51 37873 WOSMILETKA 7053 0512 K  
0904 UTC XXX XXX RMU51 RMU51 83951 BASKOGAK 4799 1894 K  
0918 UTC XXX XXX RMU51 RMU51 62784 AEROBUS 9516 2714 K  
0920 UTC XXX XXX RMU51 RMU51 78481 GAZOSWETNYJ 1560 9778 K  
0928 UTC XXX XXX RMU51 RMU51 57607 ZAWITOK 0165 8872 K  
0933 UTC XXX XXX RMU51 RMU51 14324 GROGOGUN 3951 5164 K  
0938 UTC XXX XXX RMU51 RMU51 02342 ERChOSEJM 6692 5400 K  
0942 UTC XXX XXX RMU51 RMU51 472 BK BK AS AS  
0944 UTC XXX XXX RMU51 RMU51 47255 GEMÜDROK 51681 7933 K  
0949 UTC XXX XXX RMU51 RMU51 73252 GURTODON 8923 0396 K  
0954 UTC XXX XXX RMU51 RMU51 06157 KRATOLÜFT 9953 2233 K  
0957 UTC XXX XXX RMU51 RMU51 27181 KINEChMA 9475 6776 K

**8417 kHz, 17-03, RMP: Russian Navy Kaliningrad**

0916 UTC XXX XXX REO REO 78481 GAZOSWETNYJ 1560 7778 K  
0925 UTC XXX XXX RJD69 RJD69 RDO91 RDO91 RJU58 RJU58 57607 ZAWITOK 0651 8872 K  
0933 UTC XXX XXX RJD69 RJD69 RJU58 RJU58 REC5 REC5 02342 ERChOSEJM 6692 5400 K  
0935 UTC XXX XXX REO REO 47255 GEMODROK 1681 7933 K  
0940 UTC XXX XXX RJD69 RJD69 RJU58 RJU58 06157 KRATOLÜFT 9953 2233 K  
0943 UTC XXX XXX RCD95 RCD95 27181 KINEChMA 9475 6776 K  
0946 UTC XXX XXX REO REO 73252 GURTODON 8923 0396 K

**8417 kHz, 17-03**

RCB DE RMP QYT4 QSX 5738 QWH 4077 K

**8417 kHz, 17-03, 1055 UTC**

REO DE RMP QTC 548 68 17 1344 548 = SML = BALTIJSKOE MORE OPOWEQENIE NR 113 ChORMOWOE .....

**8737 kHz, 17-03**

1014 UTC RJQ71 DE RMP QSA? K

1022 UTC REO DE RMP QTC 185 13 17 1307 185 = 11111 20828 74132 15092 41931 ....

1032 UTC RGL85 DE RMP QSA1 K QRU K

1057 UTC REO DE RMP QTC 155 15 17 1341 155 = 22222 67053 05307 70933 51357 ....

**6465 kHz, 27-03, 1540 UTC**

VVV RCRE RCRE RCRE DE RJC66 RJC66 ZZD? K

RJC66 RJC66 RJC66 DE RCRE RCRE ZZD 4 K

II II RCRE DE RJC66 ZZD 4 ZNZ NOLX TRI PÄTX ZSL ? ZSL ?K

RCRE ZSL ZN ? NOLX TRI PÄTX ZN ? NOLX ? STX WOS ZSL ? K

RCRE DE RJC66 ZSL ZN ? NOLX PÄTX WOS EMX ZKM ? K

RJC66 DE RCRE ?

***M32b - Russian Naval Aviation (Aviatsiya Voenno-morskogo Flota Rossii)*****8816 kHz, 16-03, 0923 UTC**

RCY7 DE 09895 QTC K

09895 DE RCY7 QSA 2 QRV K

09895 QTR 0925 QAL NMH PP QBD 0330 RPT AL K

09895 DE RCY7 QTR 0925 QAL XHJJ QBD 0330 K

09895 C K



## LOGS SECTION

| Code | Freq  | Date | UTC  | Day | Details                                                                                             | Mode             | Ctrb              |
|------|-------|------|------|-----|-----------------------------------------------------------------------------------------------------|------------------|-------------------|
| ---  | 5852  | 10-3 | 1729 | Sat | Sending QSM for 2 minutes                                                                           | CW               | (AB)              |
| ---  | 6922  | 27-3 | 0712 | Thu | Unid. 5-letter groups in Russian                                                                    | USB              | (AB)              |
| DPRK | 12222 | 3-3  | 1302 | Sat | North Korean diplo i.p.                                                                             | DPRK-ARQ-600 LSB | (AB)              |
| DPRK | 17415 | 10-3 | 1413 | Sat | North Korean diplo i.p.                                                                             | DPRK-ARQ 600 LSB | (AB)              |
| DPRK | 13322 | 14-3 | 0809 | Wed | North Korean diplo i.p.                                                                             | DPRK-ARQ 600 LSB | (AB)              |
| DPRK | 13333 | 14-3 | 1005 | Wed | North Korean diplo i.p.                                                                             | DPRK-ARQ 600 LSB | (AB)              |
| DPRK | 13555 | 15-3 | 0733 | Thu | North Korean diplo i.p.                                                                             | DPRK-ARQ 600 LSB | (AB)              |
| DPRK | 15866 | 23-3 | 0736 | Fri | North Korean diplo i.p.                                                                             | DPRK-ARQ 600 LSB | (AB)              |
| DPRK | 17412 | 23-3 | 0748 | Fri | North Korean diplo                                                                                  | DPRK-ARQ 600 LSB | (AB-POL)          |
| DPRK | 13050 | 24-3 | 1339 | Sat | North Korean diplo                                                                                  | DPRK-ARQ 600 LSB | (AB)              |
| E06  | 5186  | 1-3  | 2030 | Thu | 891 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000 Windows error sound                 | USB              | (AB/HFD)          |
| E06  | 5179  | 2-3  | 2130 | Fri | 634 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000                                     | USB              | (AB/HFD)          |
| E06  | 16303 | 13-3 | 1240 | Thu | 657 809 61 ...                                                                                      | USB              | (Danix)           |
| E06  | 16303 | 13-3 | 1240 | Thu | 657 809 61 ...                                                                                      | USB              | (Danix)           |
| E06  | 7755  | 13-3 | 1400 | Thu | 192 673 40 51649 64565 46136 ... 49282 21710 02123 673 40 00000                                     | USB              | (Danix)           |
| E06  | 7755  | 13-3 | 1400 | Thu | 192 673 40 51649 64565 46136 ... 49282 21710 02123 673 40 00000                                     | USB              | (Danix)           |
| E06  | 12202 | 13-3 | 1430 | Thu | 158 204 87 28054 90824 15984 ... 65813 14183 12046 204 87 00000                                     | USB              | (Danix)           |
| E06  | 12202 | 13-3 | 1430 | Thu | 158 204 87 28054 90824 15984 ... 65813 14183 12046 204 87 00000                                     | USB              | (Danix/qsr711)    |
| E06  | 8022  | 13-3 | 1530 | Thu | 158 204 87 28054 90824 15984 ... 65813 14183 12046 204 87 00000                                     | USB              | (qsr711)          |
| E06  | 14357 | 13-3 | 1650 | Thu | 729 806 173 97245 64586 94619 ... 96096 13291 56470                                                 | USB              | (qsr711)          |
| E06  | 14357 | 13-3 | 1650 | Thu | 729 806 173 ...                                                                                     | USB              | (Danix)           |
| E06  | 14357 | 13-3 | 1650 | Thu | 729 806 173 ...                                                                                     | USB              | (Danix)           |
| E06  | 8116  | 13-3 | 1654 | Thu | i.p. 97245 64586 94619 61083 82137 06862 34102 ... E06 was a leak from their broadcast on 14357 kHz | USB              | (AB)              |
| E06  | 10506 | 13-3 | 1700 | Thu | 337 491 205 ...                                                                                     | USB              | (Danix)           |
| E06  | 10506 | 13-3 | 1700 | Thu | 337 491 205 ...                                                                                     | USB              | (Danix/qsr711)    |
| E06  | 5879  | 14-3 | 0130 | Wed | 759 801 36 18162 86253 81347 ... 31638 45180 10715 801 36 00000                                     | USB              | (Danix)           |
| E06  | 5879  | 14-3 | 0130 | Wed | 759 801 36 18162 86253 81347 ... 31638 45180 10715 801 36 00000                                     | USB              | (Danix)           |
| E06  | 4923  | 14-3 | 0230 | Wed | 759 801 36 18162 86253 81347 ... 31638 45180 10715 801 36 00000                                     | USB              | (Danix)           |
| E06  | 4923  | 14-3 | 0230 | Wed | 759 801 36 18162 86253 81347 ... 31638 45180 10715 801 36 00000                                     | USB              | (Danix)           |
| E06  | 8044  | 14-3 | 0330 | Wed | 457 918 235 ...                                                                                     | USB              | (Danix)           |
| E06  | 8044  | 14-3 | 0330 | Wed | 457 918 235 ...                                                                                     | USB              | (Danix)           |
| E06  | 16303 | 14-3 | 1240 | Wed | 657 809 61 ...                                                                                      | USB              | (Danix)           |
| E06  | 16303 | 14-3 | 1240 | Wed | 657 809 61 ...                                                                                      | USB              | (Danix)           |
| E06  | 9235  | 14-3 | 1300 | Wed | 192 673 40 51649 64565 46136 ... 49282 21710 02123 673 40 00000                                     | USB              | (Danix/qsr711)    |
| E06  | 9235  | 14-3 | 1300 | Wed | 192 673 40 51649 64565 46136 ... 49282 21710 02123 673 40 00000                                     | USB              | (Danix)           |
| E06  | 7755  | 14-3 | 1400 | Wed | 192 673 40 51649 64565 46136 ... 49282 21710 02123 673 40 00000                                     | USB              | (AB/Danix/qsr711) |
| E06  | 7755  | 14-3 | 1400 | Wed | 192 673 40 51649 64565 46136 ... 49282 21710 02123 673 40 00000                                     | USB              | (AB/Danix)        |

|             |       |      |      |     |                                                                                               |     |                   |
|-------------|-------|------|------|-----|-----------------------------------------------------------------------------------------------|-----|-------------------|
| <b>E06</b>  | 12202 | 14-3 | 1430 | Wed | 158 204 87 28054 90824 15984 ... 65813 14183 12046 204 87 00000                               | USB | (AB/Danix)        |
| <b>E06</b>  | 12202 | 14-3 | 1430 | Wed | 158 204 87 28054 90824 15984 ... 65813 14183 12046 204 87 00000                               | USB | (AB/Danix/qsr711) |
| <b>E06</b>  | 8022  | 14-3 | 1530 | Wed | 158 204 87 28054 90824 15984 ... 65813 14183 12046 204 87 00000                               | USB | (qsr711)          |
| <b>E06</b>  | 16230 | 15-3 | 0600 | Thu | 864 127 53 27864 79306 94915 ... 08233 89480 05136 127 53 00000                               | USB | (AB-RUS)          |
| <b>E06</b>  | 19325 | 15-3 | 0700 | Thu | 864 127 53 27864 79306 94915 ... 08233 89480 05136 127 53 00000                               | USB | (AB-RUS)          |
| <b>E06</b>  | 5184  | 15-3 | 2030 | Thu | 891 134 57 69834 91020 28974 ... 72813 26743 84732 134 57 00000                               | USB | (AB/MPJ)          |
| <b>E06</b>  | 16230 | 16-3 | 0600 | Fri | 864 127 53 27864 79306 94915 ... 08233 89480 05136 127 53 00000                               | USB | (AB-RUS/HFD)      |
| <b>E06</b>  | 5197  | 16-3 | 2130 | Fri | 634 134 57 69834 91020 28974 ... 72813 26743 84732 134 57 00000                               | USB | (AB/HFD)          |
| <b>E06a</b> | 16080 | 14-3 | 1340 | Wed | 346 259 2 11111 00084 259 2 346 927 153 31835 85382 52641 ... 65936 72849 80726 927 153 00000 | USB | (Danix/ES)        |
| <b>E06a</b> | 16080 | 14-3 | 1340 | Wed | 346 259 2 11111 00084 259 2 346 927 153 31835 85382 52641 ... 65936 72849 80726 927 153 00000 | USB | (Danix/ES/qsr711) |
| <b>E06a</b> | 12109 | 14-3 | 1440 | Wed | 346 259 2 11111 00084 259 2 346 927 153 31835 85382 52641 ... 65936 72849 80726 927 153 00000 | USB | (AB)              |
| <b>E06a</b> | 12119 | 14-3 | 1440 | Wed | 346 259 2 11111 00084 259 2 346 927 153 31835 85382 52641 ... 65936 72849 80726 927 153 00000 | USB | (AB/qsr911)       |
| <b>E06a</b> | 16083 | 15-3 | 1340 | Thu | 346 259 2 11111 00084 259 2 346 927 153 31835 85382 52641 ... 65936 72849 80726 927 153 00000 | USB | (AB/qsr711)       |
| <b>E06a</b> | 16083 | 15-3 | 1340 | Thu | 346 259 2 11111 00084 259 2 346 927 153 31835 85382 52641 ... 65936 72849 80726 927 153 00000 | USB | (AB)              |
| <b>E06a</b> | 12111 | 15-3 | 1440 | Thu | 346 259 2 11111 00084 259 2 346 927 153 31835 85382 52641 ... 65936 72849 80726 927 153 00000 | USB | (AB)              |
| <b>E06a</b> | 12119 | 15-3 | 1440 | Thu | 346 259 2 11111 00084 259 2 346 927 153 31835 85382 52641 ... 65936 72849 80726 927 153 00000 | USB | (AB/qsr711)       |
| <b>E07</b>  | 7516  | 1-3  | 2110 | Thu | 584 584 584 1 6155 73 6155 73 14946 41914 68966 ... 39626 67606 51946 000 000                 | AM  | (AB/HFD)          |
| <b>E07</b>  | 5836  | 1-3  | 2130 | Thu | 584 584 584 1 6155 73 6155 73 14946 41914 68966 ... 39626 67606 51946 000 000                 | AM  | (AB/HFD)          |
| <b>E07</b>  | 4497  | 1-3  | 2150 | Thu | 584 584 584 1 6155 73 6155 73 14946 41914 68966 ... 39626 67606 51946 000 000                 | AM  | (AB/HFD)          |
| <b>E07</b>  | 19118 | 2-3  | 1100 | Fri | 149 149 149 000                                                                               | USB | (HFD-RUS)         |
| <b>E07</b>  | 17418 | 2-3  | 1120 | Fri | 149 149 149 000                                                                               | USB | (HFD-RUS)         |
| <b>E07</b>  | 10112 | 3-3  | 0700 | Sat | 111 111 111 000                                                                               | USB | (AB/HFD)          |
| <b>E07</b>  | 11112 | 3-3  | 0720 | Sat | 111 111 111 000                                                                               | USB | (AB/HFD)          |
| <b>E07</b>  | 10112 | 4-3  | 0700 | Sun | 111 111 111 000                                                                               | USB | (AB)              |
| <b>E07</b>  | 11112 | 4-3  | 0720 | Sun | 111 111 111 000                                                                               | USB | (AB)              |
| <b>E07</b>  | 13439 | 4-3  | 1800 | Sun | 417 417 417 000                                                                               | AM  | (AB/MPJ)          |
| <b>E07</b>  | 12139 | 4-3  | 1820 | Sun | 417 417 417 000                                                                               | AM  | (AB/MPJ)          |
| <b>E07</b>  | 10651 | 5-3  | 2000 | Mon | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000                   | USB | (AB/MPJ/HFD)      |
| <b>E07</b>  | 9151  | 5-3  | 2020 | Mon | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000                   | USB | (AB/RL/HFD)       |
| <b>E07</b>  | 7651  | 5-3  | 2040 | Mon | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000                   | USB | (AB/HFD)          |
| <b>E07</b>  | 19118 | 6-3  | 1100 | Thu | 149 149 149 000                                                                               | USB | (MPJ)             |
| <b>E07</b>  | 13439 | 7-3  | 1800 | Wed | 417 417 417 000                                                                               | AM  | (AB/MPJ)          |

|     |       |      |      |     |                                                                                       |     |              |
|-----|-------|------|------|-----|---------------------------------------------------------------------------------------|-----|--------------|
| E07 | 12139 | 7-3  | 1820 | Wed | 417 417 417 000                                                                       | AM  | (AB/MPJ)     |
| E07 | 10651 | 7-3  | 2000 | Wed | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000           | USB | (AB/MPJ)     |
| E07 | 9151  | 7-3  | 2020 | Wed | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000           | USB | (AB/MPJ)     |
| E07 | 7651  | 7-3  | 2040 | Wed | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000           | USB | (AB)         |
| E07 | 7516  | 8-3  | 2110 | Thu | 584 584 584 000                                                                       | AM  | (AB)         |
| E07 | 5836  | 8-3  | 2130 | Thu | 584 584 584 000                                                                       | AM  | (AB)         |
| E07 | 19118 | 9-3  | 1100 | Fri | 149 149 149 000                                                                       | USB | (AB-G/MPJ)   |
| E07 | 17418 | 9-3  | 1120 | Fri | 149 149 149 000                                                                       | USB | (AB/MPJ)     |
| E07 | 10112 | 10-3 | 0700 | Sat | 111 111 111 000                                                                       | USB | (AB)         |
| E07 | 11112 | 10-3 | 0720 | Sat | 111 111 111 000                                                                       | USB | (AB)         |
| E07 | 10112 | 11-3 | 0700 | Sun | 111 111 111 000                                                                       | USB | (AB)         |
| E07 | 11112 | 11-3 | 0720 | Sun | 111 111 111 000                                                                       | USB | (AB)         |
| E07 | 13439 | 11-3 | 1800 | Sun | 417 1 376 140 63818 33497 18801 ... 38575 28572 64672 000 000                         | AM  | (MPJ)        |
| E07 | 12139 | 11-3 | 1820 | Sun | 417 1 376 140 63818 33497 18801 ... 38575 28572 64672 000 000                         | AM  | (MPJ)        |
| E07 | 10739 | 11-3 | 1840 | Sun | 417 1 376 140 63818 33497 18801 ... 38575 28572 64672 000 000                         | AM  | (MPJ)        |
| E07 | 10651 | 12-3 | 2000 | Mon | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000           | USB | (AB/MPJ)     |
| E07 | 9151  | 12-3 | 2020 | Mon | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000           | USB | (AB/MPJ/RL)  |
| E07 | 7651  | 12-3 | 2040 | Mon | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000           | USB | (AB/RL)      |
| E07 | 19118 | 13-3 | 1100 | Thu | 149 149 149 1 9730 131 9730 131 22685 26016 84146 ... 85619 25866 81712 81417 000 000 | USB | (AB-ISL)     |
| E07 | 17418 | 13-3 | 1120 | Thu | 149 149 149 1 9730 131 9730 131 22685 26016 84146 ... 85619 25866 81712 81417 000 000 | USB | (AB-IRL)     |
| E07 | 15918 | 13-3 | 1140 | Thu | 149 149 149 1 9730 131 9730 131 22685 26016 84146 ... 85619 25866 81712 81417 000 000 | USB | (AB)         |
| E07 | 13439 | 14-3 | 1800 | Wed | 417 417 417 1 376 140 376 140 63818 33497 18801 ... 38575 28572 64672 000 000         | AM  | (MPJ)/HFD)   |
| E07 | 12139 | 14-3 | 1820 | Wed | 417 417 417 1 376 140 376 140 63818 33497 18801 ... 38575 28572 64672 000 000         | AM  | (MPJ)/HFD)   |
| E07 | 10739 | 14-3 | 1840 | Wed | 417 417 417 1 376 140 376 140 63818 33497 18801 ... 38575 28572 64672 000 000         | AM  | (AB/HFD)     |
| E07 | 10651 | 14-3 | 2000 | Wed | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000           | USB | (AB/MPJ)     |
| E07 | 9151  | 14-3 | 2020 | Wed | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000           | USB | (AB/MPJ)     |
| E07 | 7651  | 14-3 | 2040 | Wed | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000           | USB | (AB)         |
| E07 | 7516  | 15-3 | 2110 | Thu | 584 584 584 1 152 59 152 59 69775 59921 67256 08890 20279 ...                         | AM  | (AB)         |
| E07 | 5836  | 15-3 | 2130 | Thu | 584 584 584 1 152 59 152 59 69775 59921 67256 08890 20279 ...                         | AM  | (AB)         |
| E07 | 4497  | 15-3 | 2150 | Thu | 584 584 584 1 152 59 152 59 69775 59921 67256 08890 20279 ...                         | AM  | (AB)         |
| E07 | 19118 | 16-3 | 1100 | Fri | 149 149 149 1 9730 131 9730 131 22685 26016 84146 ... 85619 25866 81712 81417 000 000 | USB | (AB-ISL/MPJ) |
| E07 | 17418 | 16-3 | 1120 | Fri | 149 149 149 1 9730 131 9730 131 22685 26016 84146 ... 85619 25866 81712 81417 000 000 | USB | (AB-IRL/MPJ) |
| E07 | 15918 | 16-3 | 1140 | Fri | 149 149 149 1 9730 131 9730 131 22685 26016 84146 ... 85619 25866 81712 81417 000 000 | USB | (AB/MPJ)     |
| E07 | 10112 | 17-3 | 0700 | Sat | 111 111 111 000                                                                       | USB | (AB)         |
| E07 | 11112 | 17-3 | 0720 | Sat | 111 111 111 000                                                                       | USB | (AB)         |
| E07 | 10112 | 18-3 | 0700 | Sun | 111 111 111 000                                                                       | USB | (AB)         |
| E07 | 11112 | 18-3 | 0720 | Sun | 111 111 111 000                                                                       | USB | (AB)         |
| E07 | 13439 | 18-3 | 1800 | Sun | 417 417 417 000                                                                       | AM  | (AB/MPJ)     |
| E07 | 12139 | 18-3 | 1820 | Sun | 417 417 417 000                                                                       | AM  | (AB/MPJ)     |
| E07 | 10651 | 19-3 | 2000 | Mon | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000           | USB | (AB-RUS)     |

|     |       |      |      |     |                                                                                 |     |                  |
|-----|-------|------|------|-----|---------------------------------------------------------------------------------|-----|------------------|
| E07 | 9151  | 19-3 | 2020 | Mon | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000     | USB | (AB-RUS)         |
| E07 | 7651  | 19-3 | 2040 | Mon | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000     | USB | (AB-RUS)         |
| E07 | 17418 | 20-3 | 1120 | Thu | 149 149 149 000                                                                 | USB | (AB-RUS/MPJ-RUS) |
| E07 | 13439 | 21-3 | 1800 | Wed | 417 417 417 000                                                                 | AM  | (AB/MPJ)         |
| E07 | 12139 | 21-3 | 1820 | Wed | 417 417 417 000                                                                 | AM  | (AB/MPJ)         |
| E07 | 7651  | 21-3 | 2040 | Wed | 616 616 616 1 864 75 864 75 13436 03344 97790 ... 42184 63672 53990 000 000     | USB | (AB/MPJ)         |
| E07 | 7516  | 22-3 | 2110 | Thu | 584 584 584 000                                                                 | AM  | (CM2)            |
| E07 | 5836  | 22-3 | 2130 | Thu | 584 584 584 000                                                                 | AM  | (AB)             |
| E07 | 19118 | 23-3 | 1100 | Fri | 149 149 149 000                                                                 | USB | (AB-RUS)         |
| E07 | 17418 | 23-3 | 1120 | Fri | 149 149 149 000                                                                 | USB | (AB-RUS/MPJ)     |
| E07 | 10112 | 24-3 | 0700 | Sat | 111 111 111 1 513 57 513 57 12959 62837 96047 ... 40537 61055 08961 000 000     | USB | (AB)             |
| E07 | 11112 | 24-3 | 0720 | Sat | 111 111 111 1 513 57 513 57 12959 62837 96047 ... 40537 61055 08961 000 000     | USB | (AB)             |
| E07 | 12112 | 24-3 | 0740 | Sat | 111 111 111 1 513 57 513 57 12959 62837 96047 ... 40537 61055 08961 000 000     | USB | (AB)             |
| E07 | 10112 | 25-3 | 0700 | Sun | 111 111 111 1 513 57 513 57 12959 62837 96047 ... 40537 61055 08961 000 000     | USB | (AB)             |
| E07 | 11112 | 25-3 | 0720 | Sun | 111 111 111 1 513 57 513 57 12959 62837 96047 ... 40537 61055 08961 000 000     | USB | (AB)             |
| E07 | 12112 | 25-3 | 0740 | Sun | 111 111 111 1 513 57 513 57 12959 62837 96047 ... 40537 61055 08961 000 000     | USB | (AB)             |
| E07 | 13439 | 25-3 | 1800 | Sun | 417 417 417 1 5600 150 5600 150 94917 59367 03915 ... 54122 78335 15559 000 000 | AM  | (AB)             |
| E07 | 12139 | 25-3 | 1820 | Sun | 417 417 417 1 5600 150 5600 150 94917 59367 03915 ... 54122 78335 15559 000 000 | AM  | (AB)             |
| E07 | 10739 | 25-3 | 1840 | Sun | 417 417 417 1 5600 150 5600 150 94917 59367 03915 ... 54122 78335 15559 000 000 | AM  | (AB)             |
|     |       |      |      |     | stopped and resumed with group 88                                               |     |                  |
| E07 | 10651 | 26-3 | 2000 | Mon | 616 616 616 1 969 43 969 43 87072 40688 98977 ... 18566 36153 12093 000 000     | USB | (AB)             |
| E07 | 9151  | 26-3 | 2020 | Mon | 616 616 616 1 969 43 969 43 87072 40688 98977 ... 18566 36153 12093 000 000     | USB | (AB)             |
| E07 | 7651  | 26-3 | 2040 | Mon | 616 616 616 1 969 43 969 43 87072 40688 98977 ... 18566 36153 12093 000 000     | USB | (AB)             |
| E07 | 19118 | 27-3 | 1100 | Thu | 149 149 149 1 5557 127 5557 127 71120 84456 26095 ... 32711 51354 00105 000 000 | USB | (AB-RUS)         |
| E07 | 17418 | 27-3 | 1120 | Thu | 149 149 149 1 5557 127 5557 127 71120 84456 26095 ... 32711 51354 00105 000 000 | USB | (AB-RUS/MPJ)     |
| E07 | 15918 | 27-3 | 1140 | Thu | 149 149 149 1 5557 127 5557 127 71120 84456 26095 ... 32711 51354 00105 000 000 | USB | (AB-RUS/MPJ)     |
| E07 | 13439 | 28-3 | 1800 | Wed | 417 417 417 1 5600 150 5600 150 94917 59367 03915 ... 54122 78335 15559 000 000 | AM  | (AB/MPJ-I)       |
| E07 | 12139 | 28-3 | 1820 | Wed | 417 417 417 1 5600 150 5600 150 94917 59367 03915 ... 54122 78335 15559 000 000 | AM  | (AB/MPJ-I)       |
| E07 | 10739 | 28-3 | 1840 | Wed | 417 417 417 1 5600 150 5600 150 94917 59367 03915 ... 54122 78335 15559 000 000 | AM  | (AB/MPJ-I)       |
| E07 | 10651 | 28-3 | 2000 | Wed | 616 616 616 1 969 43 969 43 87072 40688 98977 ... 18566 36153 12093 000 000     | USB | (AB)             |
| E07 | 9151  | 28-3 | 2020 | Wed | 616 616 616 1 969 43 969 43 87072 40688 98977 ... 18566 36153 12093 000 000     | USB | (AB)             |
| E07 | 7651  | 28-3 | 2040 | Wed | 616 616 616 1 969 43 969 43 87072 40688 98977 ... 18566 36153 12093 000 000     | USB | (AB)             |
| E07 | 7516  | 29-3 | 2110 | Thu | 584 584 584 1 323 85 323 85 61791 96175 49213 ... 32460 08379 66347 000 000     | AM  | (AB)             |
| E07 | 5836  | 29-3 | 2130 | Thu | 584 584 584 1 323 85 323 85 61791 96175 49213 ... 32460 08379 66347 000 000     | AM  | (AB)             |
| E07 | 4497  | 29-3 | 2150 | Thu | 584 584 584 1 323 85 323 85 61791 96175 49213 ... 32460 08379 66347 000 000     | AM  | (AB)             |
| E07 | 19118 | 30-3 | 1100 | Fri | 149 149 149 1 5557 127 5557 127 71120 84456 26095 ... 32711 51354 00105 000 000 | USB | (AB-RUS)         |
| E07 | 17418 | 30-3 | 1120 | Fri | 149 149 149 1 5557 127 5557 127 71120 84456 26095 ... 32711 51354 00105 000 000 | USB | (AB-RUS)         |
| E07 | 10112 | 31-3 | 0700 | Sat | 111 111 111 1 513 57 513 57 12959 62837 96047 ... 40537 61055 08961 000 000     | USB | (AB)             |
| E07 | 11112 | 31-3 | 0720 | Sat | 111 111 111 1 513 57 513 57 12959 62837 96047 ... 40537 61055 08961 000 000     | USB | (AB)             |
| E07 | 12112 | 31-3 | 0740 | Sat | 111 111 111 1 513 57 513 57 12959 62837 96047 ... 40537 61055 08961 000 000     | USB | (AB)             |

|      |       |      |      |     |                                                                                     |     |              |
|------|-------|------|------|-----|-------------------------------------------------------------------------------------|-----|--------------|
| E07a | 6922  | 1-3  | 0530 | Thu | 913 913 913 000                                                                     | USB | (AB)         |
| E07a | 8122  | 1-3  | 0550 | Thu | 913 913 913 000                                                                     | USB | (AB)         |
| E07a | 11473 | 2-3  | 1610 | Fri | 413 413 413 000                                                                     | USB | (AB/MPJ/HFD) |
| E07a | 10173 | 2-3  | 1630 | Fri | 413 413 413 000                                                                     | USB | (AB/MPJ/HFD) |
| E07a | 11133 | 3-3  | 0900 | Sat | 114 114 114 000                                                                     | USB | (AB?HFD)     |
| E07a | 12133 | 3-3  | 0920 | Sat | 114 114 114 000                                                                     | USB | (AB/HFD)     |
| E07a | 5877  | 7-3  | 2100 | Wed | 825 825 825 000                                                                     | USB | (AB)         |
| E07a | 5277  | 7-3  | 2120 | Wed | 825 825 825 000                                                                     | USB | (AB)         |
| E07a | 11473 | 9-3  | 1610 | Fri | 413 413 413 000                                                                     | USB | (AB/MPJ/GHn) |
| E07a | 10173 | 9-3  | 1630 | Fri | 413 413 413 000                                                                     | USB | (AB/MPJ)     |
| E07a | 11133 | 10-3 | 0900 | Sat | 114 114 114 000                                                                     | USB | (AB)         |
| E07a | 12133 | 10-3 | 0920 | Sat | 114 114 114 000                                                                     | USB | (AB)         |
| E07a | 5877  | 14-3 | 2100 | Wed | 825 825 825 000                                                                     | USB | (AB/HFD)     |
| E07a | 5277  | 14-3 | 2120 | Wed | 825 825 825 000                                                                     | USB | (AB/HFD)     |
| E07a | 6922  | 15-3 | 0530 | Thu | 913 913 913 000                                                                     | USB | (AB)         |
| E07a | 8122  | 15-3 | 0550 | Thu | 913 913 913 000                                                                     | USB | (AB)         |
| E07a | 11473 | 16-3 | 1610 | Fri | 413 413 413 000                                                                     | USB | (AB/MPJ)     |
| E07a | 10173 | 16-3 | 1630 | Fri | 413 413 413 000                                                                     | USB | (AB/MPJ)     |
| E07a | 11133 | 17-3 | 0900 | Sat | 114 114 114 000                                                                     | USB | (AB)         |
| E07a | 12133 | 17-3 | 0920 | Sat | 114 114 114 000                                                                     | USB | (AB)         |
| E07a | 5877  | 21-3 | 2100 | Wed | 825 825 825 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB/RL)      |
| E07a | 5277  | 21-3 | 2120 | Wed | 825 825 825 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB)         |
| E07a | 4577  | 21-3 | 2140 | Wed | 825 825 825 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB)         |
| E07a | 6922  | 22-3 | 0530 | Thu | 913 913 913 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB)         |
| E07a | 8122  | 22-3 | 0550 | Thu | 913 913 913 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB)         |
| E07a | 9322  | 22-3 | 0610 | Thu | 913 913 913 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB)         |
| E07a | 11473 | 23-3 | 1610 | Fri | 413 413 413 000                                                                     | USB | (AB/MPJ)     |
| E07a | 10173 | 23-3 | 1630 | Fri | 413 413 413 000                                                                     | USB | (AB/GHn/MPJ) |
| E07a | 11133 | 24-3 | 0900 | Sat | 114 114 114 000                                                                     | USB | (AB)         |
| E07a | 12133 | 24-3 | 0920 | Sat | 114 114 114 000                                                                     | USB | (AB)         |
| E07a | 5877  | 28-3 | 2100 | Wed | 825 825 825 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB)         |
| E07a | 5277  | 28-3 | 2120 | Wed | 825 825 825 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB)         |
| E07a | 4577  | 28-3 | 2140 | Wed | 825 825 825 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB)         |
| E07a | 6922  | 29-3 | 0530 | Thu | 913 913 913 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB)         |
| E07a | 8122  | 29-3 | 0550 | Thu | 913 913 913 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB)         |
| E07a | 9322  | 29-3 | 0610 | Thu | 913 913 913 1 19491 9601 61 9601 61 85971 56928 19266 ... 43382 37312 20351 000 000 | USB | (AB)         |
| E07a | 11473 | 30-3 | 1610 | Fri | 413 413 413 000                                                                     | USB | (AB)         |
| E07a | 10173 | 30-3 | 1630 | Fri | 413 413 413 000                                                                     | USB | (AB)         |
| E07a | 11133 | 31-3 | 0900 | Sat | 114 114 114 000                                                                     | USB | (AB/FT)      |
| E07a | 12133 | 31-3 | 0920 | Sat | 114 114 114 000                                                                     | USB | (AB/FT)      |

|     |       |     |      |     |                  |     |                   |
|-----|-------|-----|------|-----|------------------|-----|-------------------|
| E11 | 10800 | 1-3 | 0645 | Thu | 510/00           | USB | (AB)              |
| E11 | 10246 | 1-3 | 0845 | Thu | 157/00           | USB | (AB/HFD)          |
| E11 | 6807  | 1-3 | 0930 | Thu | 275/00           | USB | (AB/HFD)          |
| E11 | 10302 | 1-3 | 1300 | Thu | 588/00           | USB | (MPJ/HFD)         |
| E11 | 10330 | 1-3 | 1530 | Thu | 266/00           | USB | (AB/MPJ/HFD)      |
| E11 | 10800 | 1-3 | 1645 | Thu | 335/00           | USB | (AB/MPJ/HFD)      |
| E11 | 7864  | 1-3 | 1730 | Thu | 415/00           | USB | (AB/HFD)          |
| E11 | 7317  | 1-3 | 1900 | Thu | 640/00           | USB | (MPJ)             |
| E11 | 10620 | 1-3 | 1925 | Thu | 557/00           | USB | (MPJ/HFD)         |
| E11 | 13470 | 2-3 | 0600 | Fri | 189/00           | USB | (AB)              |
| E11 | 9963  | 2-3 | 0715 | Fri | 634/00           | USB | (AB)              |
| E11 | 17410 | 2-3 | 0745 | Fri | 346/00           | USB | (HFD)             |
| E11 | 7840  | 2-3 | 1000 | Fri | 302/00           | USB | (AB/HFD)          |
| E11 | 20286 | 2-3 | 1225 | Fri | 527/00           | USB | (MPJ-AUT/HFD)     |
| E11 | 13873 | 2-3 | 1650 | Fri | 924/00           | USB | (AB/MPJ/HFD)      |
| E11 | 8530  | 2-3 | 1910 | Fri | 612/00           | USB | (AB/MPJ/HFD)      |
| E11 | 10302 | 3-3 | 1300 | Sat | 588/00           | USB | (AB/MPJ)          |
| E11 | 13046 | 3-3 | 1345 | Sat | 917/00           | USB | (AB/MPJ/HFD)      |
| E11 | 10213 | 3-3 | 1705 | Sat | 394/00           | USB | (AB/MPJ/HFD)      |
| E11 | 5844  | 3-3 | 1730 | Sat | 402/00           | USB | (AB/MPJ/HFD)      |
| E11 | 8186  | 3-3 | 2005 | Sat | 366/00           | USB | (MPJ/HFD)         |
| E11 | 8530  | 4-3 | 1910 | Sun | 613/00           | USB | (AB/MPJ)          |
| E11 | 8186  | 4-3 | 2005 | Sun | 369/00           | USB | (AB/MPJ)          |
| E11 | 9399  | 5-3 | 0900 | Mon | 533/00           | USB | (AB)              |
| E11 | 20286 | 5-3 | 1225 | Mon | 527/00           | USB | (MPJ-AUT)         |
| E11 | 7317  | 5-3 | 1900 | Mon | 643/00           | USB | (AB/MPJ)          |
| E11 | 5082  | 6-3 | 0700 | Thu | 579/00           | USB | (AB)              |
| E11 | 9963  | 6-3 | 0715 | Tue | 631/00           | USB | (HFD)             |
| E11 | 7840  | 6-3 | 1000 | Thu | too weak to copy | USB | (AB)              |
| E11 | 13046 | 6-3 | 1345 | Thu | 918/00           | USB | (MPJ)             |
| E11 | 6397  | 6-3 | 1605 | Thu | 233/00           | USB | (AB/MPJ/HFD)      |
| E11 | 10800 | 6-3 | 1645 | Thu | 388/00           | USB | (MPJ)             |
| E11 | 10620 | 6-3 | 1925 | Thu | 550/00           | USB | (AB/MPJ)          |
| E11 | 17410 | 7-3 | 0745 | Wed | 344/00           | USB | (AB)              |
| E11 | 9399  | 7-3 | 0900 | Wed | 535/00           | USB | (AB)              |
| E11 | 5844  | 7-3 | 1730 | Wed | 406/00           | USB | (AB)              |
| E11 | 5371  | 8-3 | 0820 | Thu | 438/00           | USB | (AB)              |
| E11 | 10246 | 8-3 | 0845 | Thu | 155/00           | USB | (AB)              |
| E11 | 10330 | 8-3 | 1530 | Thu | 268/00           | USB | (AB/GHn/MPJ/Kris) |
| E11 | 10800 | 8-3 | 1645 | Thu | 333/00           | USB | (AB/MPJ/Kris)     |

|     |       |      |      |     |        |     |                  |
|-----|-------|------|------|-----|--------|-----|------------------|
| E11 | 7864  | 8-3  | 1730 | Thu | 413/00 | USB | (AB/MPJ/Kris)    |
| E11 | 7317  | 8-3  | 1900 | Thu | 644/00 | USB | (MPJ/Kris)       |
| E11 | 10620 | 8-3  | 1925 | Thu | 556/00 | USB | (MPJ)            |
| E11 | 13470 | 9-3  | 0600 | Fri | 185/00 | USB | (AB)             |
| E11 | 9963  | 9-3  | 0715 | Fri | 636/00 | USB | (AB)             |
| E11 | 20286 | 9-3  | 1225 | Fri | 525/00 | USB | (AB-AUT/MPJ-AUT) |
| E11 | 8530  | 9-3  | 1910 | Fri | 617/00 | USB | (AB/MPJ)         |
| E11 | 8102  | 10-3 | 0710 | Sat | 498/00 | USB | (AB)             |
| E11 | 9200  | 10-3 | 0805 | Sat | 314/00 | USB | (AB)             |
| E11 | 13046 | 10-3 | 1345 | Sat | 914/00 | USB | (AB/MPJ)         |
| E11 | 5844  | 10-3 | 1730 | Sat | 406/00 | USB | (AB/MPJ)         |
| E11 | 8186  | 10-3 | 2005 | Sat | 365/00 | USB | (MPJ)            |
| E11 | 8102  | 11-3 | 0710 | Sun | 491/00 | USB | (AB)             |
| E11 | 9200  | 11-3 | 0805 | Sun | 313/00 | USB | (AB)             |
| E11 | 6397  | 11-3 | 1605 | Sun | 236/00 | USB | (AB)             |
| E11 | 13873 | 11-3 | 1650 | Sun | 921/00 | USB | (MPJ)            |
| E11 | 13470 | 11-3 | 1745 | Sun | 245/00 | USB | (MPJ)            |
| E11 | 8530  | 11-3 | 1910 | Sun | 611/00 | USB | (MPJ)            |
| E11 | 8186  | 11-3 | 2005 | Sun | 368/00 | USB | (MPJ)            |
| E11 | 13470 | 12-3 | 0600 | Mon | 184/00 | USB | (AB)             |
| E11 | 10213 | 12-3 | 0745 | Mon | 264/00 | USB | (AB)             |
| E11 | 9399  | 12-3 | 0900 | Mon | 533/00 | USB | (AB)             |
| E11 | 20286 | 12-3 | 1225 | Mon | 521/00 | USB | (AB-AUT/MPJ-AUT) |
| E11 | 10800 | 13-3 | 0645 | Thu | 518/00 | USB | (AB)             |
| E11 | 12530 | 13-3 | 0820 | Thu | 131/00 | USB | (AB)             |
| E11 | 10246 | 13-3 | 0845 | Thu | 156/00 | USB | (AB)             |
| E11 | 7840  | 13-3 | 1000 | Thu | 304/00 | USB | (AB)             |
| E11 | 7727  | 13-3 | 1205 | Thu | 463/00 | USB | (AB/MPJ)         |
| E11 | 13046 | 13-3 | 1345 | Thu | 915/00 | USB | (AB/MPJ)         |
| E11 | 10800 | 13-3 | 1645 | Thu | 331/00 | USB | (AB/MPJ)         |
| E11 | 10620 | 13-3 | 1925 | Thu | 551/00 | USB | (AB/MPJ)         |
| E11 | 12153 | 14-3 | 0640 | Wed | 941/00 | USB | (AB)             |
| E11 | 17410 | 14-3 | 0745 | Wed | 347/00 | USB | (AB)             |
| E11 | 12530 | 14-3 | 0820 | Wed | 132/00 | USB | (AB)             |
| E11 | 9399  | 14-3 | 0900 | Wed | 530/00 | USB | (AB/HFD)         |
| E11 | 6807  | 14-3 | 0930 | Wed | 273/00 | USB | (AB)             |
| E11 | 7727  | 14-3 | 1205 | Wed | 464/00 | USB | (AB/GHn)         |
| E11 | 10448 | 14-3 | 1625 | Wed | 977/00 | USB | (AB/MPJ)         |
| E11 | 10213 | 14-3 | 1705 | Wed | 391/00 | USB | (AB/MPJ)         |
| E11 | 10800 | 15-3 | 0645 | Thu | 519/00 | USB | (AB)             |



|     |       |      |      |     |        |     |              |
|-----|-------|------|------|-----|--------|-----|--------------|
| E11 | 10246 | 15-3 | 0845 | Thu | 154/00 | USB | (AB)         |
| E11 | 6807  | 15-3 | 0930 | Thu | 273/00 | USB | (AB)         |
| E11 | 10330 | 15-3 | 1530 | Thu | 264/00 | USB | (AB/MPJ)     |
| E11 | 10800 | 15-3 | 1645 | Thu | 333/00 | USB | (AB/GHn/MPJ) |
| E11 | 7317  | 15-3 | 1900 | Thu | 648/00 | USB | (HFD)        |
| E11 | 10620 | 15-3 | 1925 | Thu | 551/00 | USB | (AB/MPJ)     |
| E11 | 13470 | 16-3 | 0600 | Fri | 189/00 | USB | (AB/HFD)     |
| E11 | 20286 | 16-3 | 1225 | Fri | 527/00 | USB | (AB/MPJ)     |
| E11 | 8530  | 16-3 | 1910 | Fri | 611/00 | USB | (AB)         |
| E11 | 8102  | 17-3 | 0710 | Sat | 490/00 | USB | (AB)         |
| E11 | 9200  | 17-3 | 0805 | Sat | 314/00 | USB | (AB)         |
| E11 | 10302 | 17-3 | 1300 | Sat | 587/00 | USB | (AB)         |
| E11 | 13046 | 17-3 | 1345 | Sat | 914/00 | USB | (MPJ)        |
| E11 | 10213 | 17-3 | 1705 | Sat | 391/00 | USB | (MPJ/GHn)    |
| E11 | 8102  | 18-3 | 0710 | Sun | 495/00 | USB | (AB)         |
| E11 | 9200  | 18-3 | 0805 | Sun | 313/00 | USB | (AB)         |
| E11 | 10448 | 18-3 | 1625 | Sun | 972/00 | USB | (AB/MPJ)     |
| E11 | 8530  | 18-3 | 1910 | Sun | 617/00 | USB | (MPJ/K5KNT)  |
| E11 | 5371  | 19-3 | 0450 | Mon | 411/00 | USB | (AB)         |
| E11 | 5371  | 19-3 | 0450 | Mon | 411/00 | USB | (HFD)        |
| E11 | 13470 | 19-3 | 0600 | Mon | 188/00 | USB | (AB)         |
| E11 | 12153 | 19-3 | 0640 | Mon | 946/00 | USB | (AB)         |
| E11 | 5371  | 19-3 | 0820 | Mon | 434/00 | USB | (AB/HFD)     |
| E11 | 9399  | 19-3 | 0900 | Mon | 535/00 | USB | (AB)         |
| E11 | 13470 | 19-3 | 1745 | Mon | 247/00 | USB | (AB)         |
| E11 | 7317  | 19-3 | 1900 | Mon | 641/00 | USB | (AB/MPJ)     |
| E11 | 10800 | 20-3 | 0645 | Thu | 512/00 | USB | (AB)         |
| E11 | 5082  | 20-3 | 0700 | Thu | 573/00 | USB | (AB)         |
| E11 | 9963  | 20-3 | 0715 | Thu | 639/00 | USB | (AB)         |
| E11 | 12530 | 20-3 | 0820 | Thu | 136/00 | USB | (AB)         |
| E11 | 10246 | 20-3 | 0845 | Thu | 155/00 | USB | (AB)         |
| E11 | 7727  | 20-3 | 1205 | Thu | 463/00 | USB | (AB/MPJ)     |
| E11 | 13046 | 20-3 | 1345 | Thu | 912/00 | USB | (AB/MPJ)     |
| E11 | 6397  | 20-3 | 1605 | Thu | 233/00 | USB | (AB/MPJ)     |
| E11 | 10620 | 20-3 | 1925 | Thu | 557/00 | USB | (AB-AUT)     |
| E11 | 12153 | 21-3 | 0640 | Wed | 940/00 | USB | (AB)         |
| E11 | 12530 | 21-3 | 0820 | Wed | 132/00 | USB | (AB)         |
| E11 | 9399  | 21-3 | 0900 | Wed | 538/00 | USB | (AB)         |
| E11 | 6807  | 21-3 | 0930 | Wed | 273/00 | USB | (AB)         |
| E11 | 7727  | 21-3 | 1205 | Wed | 460/00 | USB | (AB/MPJ)     |



|     |       |      |      |     |        |     |              |
|-----|-------|------|------|-----|--------|-----|--------------|
| E11 | 10448 | 21-3 | 1625 | Wed | 975/00 | USB | (AB/GHn/MPJ) |
| E11 | 10213 | 21-3 | 1705 | Wed | 393/00 | USB | (AB/GHn/MPJ) |
| E11 | 5844  | 21-3 | 1730 | Wed | 409/00 | USB | (AB/GHn/MPJ) |
| E11 | 10800 | 22-3 | 0645 | Thu | 515/00 | USB | (AB-AUT)     |
| E11 | 5371  | 22-3 | 0820 | Thu | 435/00 | USB | (AB)         |
| E11 | 10246 | 22-3 | 0845 | Thu | 151/00 | USB | (AB)         |
| E11 | 6807  | 22-3 | 0930 | Thu | 278/00 | USB | (AB)         |
| E11 | 10302 | 22-3 | 1300 | Thu | 585/00 | USB | (AB/MPJ)     |
| E11 | 7864  | 22-3 | 1730 | Thu | 414/00 | USB | (AB)         |
| E11 | 7317  | 22-3 | 1900 | Thu | 643/00 | USB | (AB/MPJ)     |
| E11 | 10620 | 22-3 | 1925 | Thu | 552/00 | USB | (AB)         |
| E11 | 13470 | 23-3 | 0600 | Fri | 182/00 | USB | (AB)         |
| E11 | 9963  | 23-3 | 0715 | Fri | 637/00 | USB | (AB)         |
| E11 | 17410 | 23-3 | 0745 | Fri | 342/00 | USB | (AB)         |
| E11 | 7840  | 23-3 | 1000 | Fri | 305/00 | USB | (AB)         |
| E11 | 13873 | 23-3 | 1650 | Fri | 924/00 | USB | (AB/MPJ)     |
| E11 | 8102  | 24-3 | 0710 | Sat | 496/00 | USB | (AB)         |
| E11 | 9200  | 24-3 | 0805 | Sat | 313/00 | USB | (AB)         |
| E11 | 10302 | 24-3 | 1300 | Sat | 583/00 | USB | (AB/MPJ)     |
| E11 | 13046 | 24-3 | 1345 | Sat | 919/00 | USB | (AB/MPJ)     |
| E11 | 10213 | 24-3 | 1705 | Sat | 392/00 | USB | (AB/MPJ)     |
| E11 | 5844  | 24-3 | 1730 | Sat | 409/00 | USB | (AB/MPJ)     |
| E11 | 8102  | 25-3 | 0710 | Sun | 495/00 | USB | (AB)         |
| E11 | 9200  | 25-3 | 0805 | Sun | 316/00 | USB | (AB)         |
| E11 | 6397  | 25-3 | 1605 | Sun | 232/00 | USB | (AB)         |
| E11 | 10448 | 25-3 | 1625 | Sun | 972/00 | USB | (AB)         |
| E11 | 8186  | 25-3 | 2005 | Sun | 367/00 | USB | (AB)         |
| E11 | 5371  | 26-3 | 0450 | Mon | 414/00 | USB | (AB-POL)     |
| E11 | 12153 | 26-3 | 0640 | Mon | 940/00 | USB | (AB)         |
| E11 | 10213 | 26-3 | 0745 | Mon | 267/00 | USB | (AB)         |
| E11 | 5371  | 26-3 | 0820 | Mon | 438/00 | USB | (AB)         |
| E11 | 13470 | 26-3 | 1745 | Mon | 246/00 | USB | (AB-POL/MPJ) |
| E11 | 10800 | 27-3 | 0645 | Thu | 517/00 | USB | (AB)         |
| E11 | 5082  | 27-3 | 0700 | Thu | 573/00 | USB | (AB/HFD)     |
| E11 | 9963  | 27-3 | 0715 | Thu | 634/00 | USB | (AB)         |
| E11 | 7840  | 27-3 | 1000 | Thu | 304/00 | USB | (AB)         |
| E11 | 7727  | 27-3 | 1205 | Thu | 461/00 | USB | (AB/MPJ)     |
| E11 | 6397  | 27-3 | 1605 | Thu | 231/00 | USB | (AB/MPJ)     |
| E11 | 10800 | 27-3 | 1645 | Thu | 330/00 | USB | (AB/MPJ)     |
| E11 | 12153 | 28-3 | 0640 | Wed | 940/00 | USB | (AB)         |

|             |       |      |      |     |                                                                                              |     |              |
|-------------|-------|------|------|-----|----------------------------------------------------------------------------------------------|-----|--------------|
| <b>E11</b>  | 12530 | 28-3 | 0820 | Wed | 130/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 6807  | 28-3 | 0930 | Wed | 279/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 7727  | 28-3 | 1205 | Wed | 465/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 10448 | 28-3 | 1625 | Wed | 974/00                                                                                       | USB | (MPJ)        |
| <b>E11</b>  | 10213 | 28-3 | 1705 | Wed | 393/00                                                                                       | USB | (GHn/MPJ)    |
| <b>E11</b>  | 5844  | 28-3 | 1730 | Wed | 409/00                                                                                       | USB | (AB/MPJ)     |
| <b>E11</b>  | 10800 | 29-3 | 0645 | Thu | 517/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 5371  | 29-3 | 0820 | Thu | 439/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 6807  | 29-3 | 0930 | Thu | 271/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 10302 | 29-3 | 1300 | Thu | 587/00                                                                                       | USB | (AB/MPJ)     |
| <b>E11</b>  | 10330 | 29-3 | 1530 | Thu | 268/00                                                                                       | USB | (AB/GHn/MPJ) |
| <b>E11</b>  | 10800 | 29-3 | 1645 | Thu | 334/00                                                                                       | USB | (AB/MPJ)     |
| <b>E11</b>  | 7864  | 29-3 | 1730 | Thu | 412/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 5082  | 30-3 | 0700 | Fri | 577/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 9963  | 30-3 | 0715 | Fri | 636/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 7840  | 30-3 | 1000 | Fri | 304/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 13873 | 30-3 | 1650 | Fri | 921/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 8530  | 30-3 | 1910 | Fri | 611/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 8102  | 31-3 | 0710 | Sat | 490/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 9200  | 31-3 | 0805 | Sat | 316/00                                                                                       | USB | (AB)         |
| <b>E11</b>  | 10302 | 31-3 | 1300 | Sat | 586/00                                                                                       | USB | (AB/FT)      |
| <b>E11</b>  | 10213 | 31-3 | 1705 | Sat | 396/00                                                                                       | USB | (AB/MPJ)     |
| <b>E11</b>  | 5844  | 31-3 | 1730 | Sat | 400/00                                                                                       | USB | (AB/MPJ)     |
| <b>E11</b>  | 8186  | 31-3 | 2005 | Sat | 366/00                                                                                       | USB | (AB)         |
| <b>E11a</b> | 8102  | 3-3  | 0710 | Sat | 496/32 Attention 14387 90989 01491 ... 38784 98764 99311 Attention (message repeated)<br>Out | USB | (AB/HFD)     |
| <b>E11a</b> | 9200  | 3-3  | 0805 | Sat | 319/40 Attention 08432 72500 01170 ... 45312 93459 03882 Attention (message repeated)<br>Out | USB | (AB)         |
| <b>E11a</b> | 8102  | 4-3  | 0710 | Sun | 496/32 Attention 14387 90989 01491 ... 38784 98764 99311 Attention (message repeated)<br>Out | USB | (AB)         |
| <b>E11a</b> | 9200  | 4-3  | 0805 | Sun | 319/40 Attention 08432 72500 01170 ... 45312 93459 03882 Attention (message repeated)<br>Out | USB | (AB/HFD)     |
| <b>E11a</b> | 12153 | 5-3  | 0640 | Mon | 944/39 Attention 40395 81591 16495 ... 65818 11986 34365 Attention (message repeated)<br>Out | USB | (AB/HFD)     |
| <b>E11a</b> | 7727  | 6-3  | 1205 | Thu | 460/36 Attention 99486 20315 41542 ... 87744 49565 94088 Attention (message repeated)<br>Out | USB | (AB/MPJ/HFD) |
| <b>E11a</b> | 12153 | 7-3  | 0640 | Wed | 944/39 Attention 40395 81591 16495 ... 65818 11986 34365 Attention (message repeated)<br>Out | USB | (AB)         |
| <b>E11a</b> | 12530 | 7-3  | 0820 | Wed | 130/38 Attention 46044 21440 23436 ... 61312 81004 30620 Attention (message repeated)<br>Out | USB | (AB/HFD)     |

|      |       |      |      |     |                                                                                              |     |                   |
|------|-------|------|------|-----|----------------------------------------------------------------------------------------------|-----|-------------------|
| E11a | 7727  | 7-3  | 1205 | Wed | 460/36 Attention 99486 20315 41542 ... 87744 49565 94088 Attention (message repeated)<br>Out | USB | (AB/MPJ)          |
| E11a | 10448 | 7-3  | 1625 | Wed | 970/37 Attention 05789 22170 66136 ... 69767 06224 81922 Attention, rpt msg,out              | USB | (AB/GHn/MPJ/HFD ) |
| E11a | 10213 | 7-3  | 1705 | Wed | 392/40 Attention 70390 50287 74008 ... 94151 03154 80734 Attention, rpt msg,out              | USB | (AB/MPJ)          |
| E11a | 10800 | 8-3  | 0645 | Thu | 514/34 Attention 24751 98421 87018 ... 74593 32429 63201 Attention (message repeated)<br>Out | USB | (AB/HFD)          |
| E11a | 6807  | 8-3  | 0930 | Thu | 273/33 Attention 51041 98407 13991 ... 05415 10257 07993 Attention (message repeated)<br>Out | USB | (AB)              |
| E11a | 10302 | 8-3  | 1300 | Thu | 589/34 Attention 25821 14066 90094 ... 01084 87617 75631 Attention, rpt msg, out             | USB | (AB/MPJ/Kris)     |
| E11a | 7840  | 9-3  | 1000 | Fri | 302/22 Attention 60995 47362 88796 ... 03882 75187 26625 Attention (message repeated)<br>Out | USB | (AB)              |
| E11a | 10302 | 10-3 | 1300 | Sat | 589/34 Attention 25821 14066 90094 ... 01084 87617 75631 Attention, rpt msg, out             | USB | (AB-POL/MPJ)      |
| E11a | 10213 | 10-3 | 1705 | Sat | 392/40 Attention 70390 50287 74008 ... 94151 03154 80734 Attention, rpt msg,out              | USB | (AB/MPJ)          |
| E11a | 10448 | 11-3 | 1625 | Sun | 970/37 Attention 05789 22170 66136 ... 69767 06224 81922 Attention, rpt msg,out              | USB | (MPJ/HFD)         |
| E11a | 5371  | 12-3 | 0450 | Mon | 411/32 Attention 40385 53786 02008 ... 87637 26147 61286 Attention (message repeated)<br>Out | USB | (AB)              |
| E11a | 12153 | 12-3 | 0640 | Mon | 945/00                                                                                       | USB | (AB)              |
| E11a | 5371  | 12-3 | 0820 | Mon | 438/38 Attention 62229 42818 06560 ... 28619 29576 03944 Attention (message repeated)<br>Out | USB | (AB)              |
| E11a | 13470 | 12-3 | 1745 | Mon | 245/36 Attention 57272 04490 07001 ... 73124 88655 76684 Attention (message repeated)<br>Out | USB | (AB/MPJ)          |
| E11a | 5082  | 13-3 | 0700 | Thu | 573/37 Attention 95379 97003 70495 ... 35604 10481 86448 Attention (message repeated)<br>Out | USB | (AB)              |
| E11a | 9963  | 13-3 | 0715 | Thu | 635/34 Attention 34197 40261 49705 ... 06608 20881 44707 Attention (message repeated)<br>Out | USB | (AB)              |
| E11a | 6397  | 13-3 | 1605 | Thu | 231/33 Attention 27708 19746 93359 ... 28054 64791 50789 Attention (message repeated)<br>Out | USB | (AB/GHn/MPJ)      |
| E11a | 5844  | 14-3 | 1730 | Wed | 406/37 Attention 56344 18397 89577 ... 18369 20610 21619 Attention (message repeated)<br>Out | USB | (AB/MPJ)          |
| E11a | 5371  | 15-3 | 0820 | Thu | 438/38 Attention 62229 42818 06560 ... 28619 29576 03944 Attention (message repeated)<br>Out | USB | (AB)              |
| E11a | 10302 | 15-3 | 1300 | Thu | 587/31 81712 27106 40964 ... 74319 13568 25544 Rpt msg, out Note: no ATTENTION used          | USB | (AB/MPJ)          |
| E11a | 7864  | 15-3 | 1730 | Thu | 411/32 Attention 40385 53786 02008 ... 87637 26147 61286 Attention (message repeated)<br>Out | USB | (AB/MPJ)          |
| E11a | 5082  | 16-3 | 0700 | Fri | 573/37 Attention 95379 97003 70495 ... 35604 10481 86448 Attention (message repeated)<br>Out | USB | (AB)              |
| E11a | 13873 | 16-3 | 1650 | Fri | 929/35 Attention 29429 63866 42019 ... 52653 77303 59612 Attention (message repeated)<br>Out | USB | (AB/MPJ)          |
| E11a | 5844  | 17-3 | 1730 | Sat | 406/37 Attention 56344 18397 89577 ... 18369 20610 21619 Attention (message repeated)        | USB | (AB/MPJ/GHn)      |

[illegible]

|      |         |      |      |     |                                                                                            |                            |                 |
|------|---------|------|------|-----|--------------------------------------------------------------------------------------------|----------------------------|-----------------|
| E11a | 13470   | 30-3 | 0600 | Fri | 188/26 Attention 31353 10528 16626 ... 06371 37467 68649 Attention (message repeated) out  | USB                        | (AB)            |
| E11a | 13046   | 31-3 | 1345 | Sat | 911/40 Attention 23671 86408 33333 ... 96754 00346 03920 Attention (message repeated) Out  | USB                        | (AB-POL/FT/MPJ) |
| E17z | 14260   | 1-3  | 0800 | Thu | 674 801 5 48446 88417 44331 36068 41988 801 5 00000                                        | USB                        | (AB-AUT/HFD)    |
| E17z | 12930   | 1-3  | 0810 | Thu | 674 801 5 48446 88417 44331 36068 41988 801 5 00000                                        | USB                        | (AB/HFD)        |
| E17z | 14260   | 8-3  | 0800 | Thu | 674 801 5 48446 88417 44331 36068 41988 801 5 00000                                        | USB                        | (AB-AUT)        |
| E17z | 12930   | 8-3  | 0810 | Thu | 674 801 5 48446 88417 44331 36068 41988 801 5 00000                                        | USB                        | (AB)            |
| E17z | 14260   | 15-3 | 0800 | Thu | 674 293 5 00712 62133 04070 28362 67621 293 5 00000                                        | USB                        | (AB-AUT)        |
| E17z | 12930   | 15-3 | 0810 | Thu | 674 293 5 00712 62133 04070 28362 67621 293 5 00000                                        | USB                        | (AB)            |
| E17z | 14260   | 22-3 | 0800 | Thu | 674 293 5 00712 62133 04070 28362 67621 293 5 00000                                        | USB                        | (AB-UKR)        |
| E17z | 12930   | 22-3 | 0810 | Thu | 674 293 5 00712 62133 04070 28362 67621 293 5 00000                                        | USB                        | (AB)            |
| E17z | 14260   | 29-3 | 0800 | Thu | 674 674 674 0000                                                                           | USB                        | (AB-UKR)        |
| E17z | 12930   | 29-3 | 0810 | Thu | 674 674 674 0000                                                                           | USB                        | (AB-GRC)        |
| EGY  | 8086.7  | 4-3  | 0701 | Sun | Egyptian diplo i.p. KDPDKJ ODSNNANNYWJ LFTJH KDDR LYFWKFY 6609 6609 JG KDCFUSG LJ KY +?788 | SITOR-A 100/170            | (AB)            |
| EGY  | 17416.7 | 9-3  | 1143 | Fri | MFA Cairo msg to unid embassy                                                              | SITOR-A 100/170            | (AB)            |
| EGY  | 11034.7 | 10-3 | 0923 | Sat | Egyptian diplo i.p. Ends with uncoded ops chat                                             | SITOR-A 100/170            | (AB)            |
| EGY  | 7526    | 14-3 | 1915 | Wed | MFA Cairo clg TVVX (Egyptian embassy Algiers) then into SITOR-B                            | SITOR-A 100/170            | (DK8OK)         |
| EGY  | 9047    | 14-3 | 2038 | Wed | MFA Cairo msg to RCVB: Egyptian embassy Washington                                         | SITOR-A 100/170            | (DK8OK)         |
| EGY  | 8121.7  | 18-3 | 1715 | Sun | MFA Cairo urgent msg to OOVC: Egyptian embassy New Delhi                                   | SITOR-A 100/170            | (AB)            |
| EGY  | 14522   | 18-3 | 1749 | Sun | 33318: MFA Cairo secure traffic to 33312: Egyptian embassy Accra                           | Codan 9001/3012<br>16 tone | (MCO)           |
| EGY  | 20038.7 | 31-3 | 0535 | Sat | MFA Cairo msg to unid embassy                                                              | SITOR-A 100/170            | (EW)            |
| F01  | 10467   | 7-3  | 1940 | Wed | Russian diplo/intel. Null message: )5761 00000+++++++162                                   | FSK 200/500                | (AB/MPJ)        |
| F01  | 8094    | 7-3  | 1950 | Wed | Russian diplo/intel. Null message: )5761 00000+++++++162                                   | FSK 200/500                | (AB/MPJ)        |
| F01  | 6779    | 7-3  | 2000 | Wed | Russian diplo/intel. Null message: )5761 00000+++++++162                                   | FSK 200/500                | (AB)            |
| F01  | 7847    | 13-3 | 1415 | Thu | Russian diplo/intel. 90817 70912 25651 ... 82841 42175 05253 00000                         | FSK 200/500                | (Danix)         |
| F01  | 7847    | 13-3 | 1415 | Thu | Russian diplo/intel. 90817 70912 25651 ... 82841 42175 05253 00000                         | FSK 200/500                | (Danix)         |
| F01  | 10306   | 13-3 | 1425 | Thu | Russian diplo/intel. 90817 70912 25651 ... 82841 42175 05253 00000                         | FSK 200/500                | (Danix)         |
| F01  | 10306   | 13-3 | 1425 | Thu | Russian diplo/intel. 90817 70912 25651 ... 82841 42175 05253 00000                         | FSK 200/500                | (Danix)         |
| F01  | 10363   | 13-3 | 1425 | Thu | Russian diplo/intel. 67852 54109 25676 ... 49605 08074 10267 00000                         | FSK 200/500                | (Danix)         |
| F01  | 10363   | 13-3 | 1425 | Thu | Russian diplo/intel. 67852 54109 25676 ... 49605 08074 10267 00000                         | FSK 200/500                | (Danix)         |
| F01  | 8117    | 13-3 | 1745 | Thu | Russian diplo/intel. 91342 85781 15704 ... 21964 07235 00000                               | FSK 200/500                | (AB/Danix)      |
| F01  | 8117    | 13-3 | 1745 | Thu | Russian diplo/intel. 91342 85781 15704 ... 21964 07235 00000                               | FSK 200/500                | (AB/Danix)      |
| F01  | 10253   | 13-3 | 1755 | Thu | Russian diplo/intel. 91342 85781 15704 ... 21964 07235 00000                               | FSK 200/500                | (Danix)         |
| F01  | 10253   | 13-3 | 1755 | Thu | Russian diplo/intel. 91342 85781 15704 ... 21964 07235 00000                               | FSK 200/500                | (Danix)         |
| F01  | 16296   | 14-3 | 1120 | Wed | Russian diplo/intel. 65450 70796 09525 ... 95892 98107 17165 00000                         | FSK 200/500                | (Danix)         |
| F01  | 16296   | 14-3 | 1120 | Wed | Russian diplo/intel. 65450 70796 09525 ... 95892 98107 17165 00000                         | FSK 200/500                | (Danix)         |
| F01  | 10363   | 14-3 | 1420 | Wed | Russian diplo/intel. i.p. 67852 54109 25676 ... 49605 08074 10267 00000                    | FSK 200/500                | (AB)            |

|      |       |      |      |     |                                                                         |             |                |
|------|-------|------|------|-----|-------------------------------------------------------------------------|-------------|----------------|
| F01  | 10363 | 14-3 | 1420 | Wed | Russian diplo/intel. i.p. 67852 54109 25676 ... 49605 08074 10267 00000 | FSK 200/500 | (AB)           |
| F01  | 10304 | 14-3 | 1430 | Wed | Russian diplo/intel. i.p. 90817 70912 25651 ... 82841 42175 05253 00000 | FSK 200/500 | (AB)           |
| F01  | 10306 | 14-3 | 1430 | Wed | Russian diplo/intel. i.p. 90817 70912 25651 ... 82841 42175 05253 00000 | FSK 200/500 | (AB)           |
| F01  | 20700 | 16-3 | 2230 | Fri | Russian diplo/intel. Header: 11177 00116 37527 15015 02429              | FSK 200/500 | (Danix-USA)    |
| F01  | 18726 | 16-3 | 2240 | Fri | Russian diplo/intel. Header: 11177 00116 37527 15015 02429              | FSK 200/500 | (Danix-USA/RL) |
| F01  | 20700 | 23-3 | 2230 | Fri | Russian diplo/intel. Header: 11177 00116 27384 22016 01939              | FSK 200/500 | (Danix)        |
| F01  | 18726 | 23-3 | 2240 | Fri | Russian diplo/intel. Header: 11177 00116 27384 22016 01939              | FSK 200/500 | (Danix)        |
| F03a | 11486 | 1-3  | 0835 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 11486 | 1-3  | 0840 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7840  | 1-3  | 1800 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7840  | 1-3  | 1805 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7798  | 5-3  | 1830 | Mon | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7798  | 5-3  | 1835 | Mon | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7727  | 7-3  | 0915 | Wed | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7727  | 7-3  | 0920 | Wed | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 11486 | 8-3  | 0835 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 11486 | 8-3  | 0840 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7727  | 8-3  | 0915 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7727  | 8-3  | 0920 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7377  | 12-3 | 1030 | Mon | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7377  | 12-3 | 1035 | Mon | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 11486 | 13-3 | 0835 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 11486 | 13-3 | 0840 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 8680  | 13-3 | 0945 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 8680  | 13-3 | 0950 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7840  | 13-3 | 1800 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7840  | 13-3 | 1805 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7727  | 14-3 | 0920 | Wed | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7377  | 14-3 | 1030 | Wed | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7377  | 14-3 | 1035 | Wed | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 11486 | 15-3 | 0835 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 11486 | 15-3 | 0840 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7727  | 15-3 | 0915 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7727  | 15-3 | 0920 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7840  | 15-3 | 1800 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7840  | 15-3 | 1805 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7798  | 15-3 | 1830 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 7798  | 15-3 | 1835 | Thu | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 5082  | 18-3 | 1940 | Sun | Polish Intel.                                                           | FSK 100/200 | (AB)           |
| F03a | 5082  | 18-3 | 1945 | Sun | Polish Intel.                                                           | FSK 100/200 | (AB)           |

|      |       |      |      |     |               |             |      |
|------|-------|------|------|-----|---------------|-------------|------|
| F03a | 7377  | 19-3 | 1030 | Mon | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7377  | 19-3 | 1035 | Mon | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7798  | 19-3 | 1830 | Mon | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7798  | 19-3 | 1835 | Mon | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 11486 | 20-3 | 0835 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 11486 | 20-3 | 0840 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7840  | 20-3 | 1800 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7840  | 20-3 | 1805 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7727  | 21-3 | 0915 | Wed | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7727  | 21-3 | 0920 | Wed | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7377  | 21-3 | 1030 | Wed | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7377  | 21-3 | 1035 | Wed | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 5082  | 21-3 | 1940 | Wed | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 5082  | 21-3 | 1945 | Wed | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 11486 | 22-3 | 0835 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 11486 | 22-3 | 0840 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7727  | 22-3 | 0915 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7727  | 22-3 | 0920 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7840  | 22-3 | 1800 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7840  | 22-3 | 1805 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7798  | 22-3 | 1830 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7798  | 22-3 | 1835 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 8680  | 23-3 | 0945 | Fri | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 8680  | 23-3 | 0950 | Fri | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 5082  | 25-3 | 1940 | Sun | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 5082  | 25-3 | 1945 | Sun | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7377  | 26-3 | 1030 | Mon | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7377  | 26-3 | 1035 | Mon | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 11486 | 27-3 | 0835 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 11486 | 27-3 | 0840 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7840  | 27-3 | 1800 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7840  | 27-3 | 1805 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7727  | 28-3 | 0915 | Wed | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7727  | 28-3 | 0920 | Wed | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 5082  | 28-3 | 1940 | Wed | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 5082  | 28-3 | 1945 | Wed | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 11486 | 29-3 | 0835 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 11486 | 29-3 | 0840 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7727  | 29-3 | 0915 | Thu | Polish Intel. | FSK 100/200 | (AB) |
| F03a | 7727  | 29-3 | 0920 | Thu | Polish Intel. | FSK 100/200 | (AB) |



|      |       |      |      |     |                                                                             |              |                  |
|------|-------|------|------|-----|-----------------------------------------------------------------------------|--------------|------------------|
| F03a | 7840  | 29-3 | 1800 | Thu | Polish Intel.                                                               | FSK 100/200  | (AB)             |
| F03a | 7840  | 29-3 | 1805 | Thu | Polish Intel.                                                               | FSK 100/200  | (AB)             |
| F03a | 7798  | 29-3 | 1830 | Thu | Polish Intel.                                                               | FSK 100/200  | (AB)             |
| F03a | 7798  | 29-3 | 1835 | Thu | Polish Intel.                                                               | FSK 100/200  | (AB)             |
| F03a | 8680  | 30-3 | 0945 | Fri | Polish Intel.                                                               | FSK 100/200  | (AB)             |
| F03a | 8680  | 30-3 | 0950 | Fri | Polish Intel.                                                               | FSK 100/200  | (AB)             |
| F03b | 12424 | 2-3  | 0843 | Fri | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 2-3  | 0848 | Fri | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 9-3  | 0843 | Fri | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 9-3  | 0848 | Fri | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 13-3 | 0808 | Thu | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 13-3 | 0813 | Thu | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 20-3 | 0808 | Thu | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 20-3 | 0813 | Thu | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 23-3 | 0843 | Fri | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 23-3 | 0848 | Fri | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 27-3 | 0808 | Thu | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 27-3 | 0813 | Thu | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 30-3 | 0843 | Fri | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F03b | 12424 | 30-3 | 0848 | Fri | Polish Intel.                                                               | FSK 200/400  | (AB)             |
| F06  | 18189 | 1-3  | 0600 | Thu | Russian diplo/intel. Header: 11166 40122 56287 24062 03149                  | FSK 200/1000 | (EW)             |
| F06  | 16046 | 1-3  | 0610 | Thu | Russian diplo/intel. Header: 11166 40122 56287 24062 03149                  | FSK 200/1000 | (EW)             |
| F06  | 20916 | 1-3  | 0850 | Thu | Russian diplo/intel. Test 464646464646464646464646464646                    | FSK 200/1000 | (AB-RUS)         |
| F06  | 20916 | 1-3  | 0900 | Thu | Russian diplo/intel. Header: 11166 00052 65941 13025 02689                  | FSK 200/1000 | (AB-RUS)         |
| F06  | 18730 | 1-3  | 0910 | Thu | Russian diplo/intel. Header: 11166 00052 65941 13025 02689                  | FSK 200/1000 | (AB-RUS)         |
| F06  | 16165 | 1-3  | 0920 | Thu | Russian diplo/intel. Header: 11166 00052 65941 13025 02689                  | FSK 200/1000 | (AB)             |
| F06  | 16054 | 1-3  | 1330 | Thu | Russian diplo/intel. 11166 80214 12398 01079 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB/MPJ)         |
| F06  | 13471 | 1-3  | 1340 | Thu | Russian diplo/intel. 11166 80214 12398 01079 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB/MPJ)         |
| F06  | 11062 | 1-3  | 1350 | Thu | Russian diplo/intel. 11166 80214 12398 01079 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB/MPJ)         |
| F06  | 17414 | 3-3  | 1100 | Sat | Russian diplo/intel. Header: 11166 50046 48312 02028 01589                  | FSK 200/1000 | (AB)             |
| F06  | 15605 | 3-3  | 1110 | Sat | Russian diplo/intel. Header: 11166 50046 48312 02028 01589                  | FSK 200/1000 | (AB)             |
| F06  | 13444 | 3-3  | 1120 | Sat | Russian diplo/intel. Header: 11166 50046 48312 02028 01589                  | FSK 200/1000 | (AB)             |
| F06  | 22913 | 3-3  | 1500 | Sat | Russian diplo/intel. 11166 40133 13579 03001 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB-RUS/MPJ-RUS) |
| F06  | 20374 | 3-3  | 1510 | Sat | Russian diplo/intel. 11166 40133 13579 03001 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB-RUS/MPJ-RUS) |
| F06  | 18406 | 3-3  | 1520 | Sat | Russian diplo/intel. 11166 40133 13579 03001 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB-RUS/MPJ-RUS) |
| F06  | 17414 | 4-3  | 1100 | Sun | Russian diplo/intel. Header: 11166 50046 48312 02028 01589                  | FSK 200/1000 | (AB/MPJ)         |
| F06  | 15605 | 4-3  | 1110 | Sun | Russian diplo/intel. Header: 11166 50046 48312 02028 01589                  | FSK 200/1000 | (AB/MPJ)         |
| F06  | 13444 | 4-3  | 1120 | Sun | Russian diplo/intel. Header: 11166 50046 48312 02028 01589                  | FSK 200/1000 | (AB/MPJ)         |
| F06  | 16245 | 4-3  | 1530 | Sun | Russian diplo/intel. 11166 10053 32451 04001 00049 00000 00000 00000 000000 | FSK 200/1000 | (AB-RUS/MPJ)     |
| F06  | 14356 | 4-3  | 1540 | Sun | Russian diplo/intel. 11166 10053 32451 04001 00049 00000 00000 00000 000000 | FSK 200/1000 | (AB/MPJ)         |



|     |       |      |      |     |                                                                             |              |          |
|-----|-------|------|------|-----|-----------------------------------------------------------------------------|--------------|----------|
| F06 | 12138 | 4-3  | 1550 | Sun | Russian diplo/intel. 11166 10053 32451 04001 00049 00000 00000 00000 000000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 10249 | 5-3  | 0500 | Mon | Russian diplo/intel. 11166 70059 56248 05001 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB)     |
| F06 | 8137  | 5-3  | 0510 | Mon | Russian diplo/intel. 11166 70059 56248 05001 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB)     |
| F06 | 5948  | 5-3  | 0520 | Mon | Russian diplo/intel. 11166 70059 56248 05001 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB)     |
| F06 | 9068  | 6-3  | 0030 | Thu | 11166 60070 84956 06074 00049 00000 00000 00000 00000                       | FSK 200/1000 | (RL)     |
| F06 | 17428 | 6-3  | 1500 | Thu | Russian diplo/intel. 11166 00052 82469 06071 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB)     |
| F06 | 15646 | 6-3  | 1510 | Thu | Russian diplo/intel. 11166 00052 82469 06071 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB/MPJ) |
| F06 | 12153 | 6-3  | 1520 | Thu | Russian diplo/intel. 11166 00052 82469 06071 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB/MPJ) |
| F06 | 13986 | 6-3  | 1700 | Thu | Russian diplo/intel. 11166 10053 17935 06067 00049 00000 00000              | FSK 200/1000 | (MPJ)    |
| F06 | 11523 | 6-3  | 1710 | Thu | Russian diplo/intel. 11166 10053 17935 06067 00049 00000 00000              | FSK 200/1000 | (MPJ)    |
| F06 | 18189 | 7-3  | 0600 | Wed | Russian diplo/intel. Header: 11166 40122 85241 03063 03379                  | FSK 200/1000 | (AB-CHN) |
| F06 | 16046 | 7-3  | 0610 | Wed | Russian diplo/intel. Header: 11166 40122 85241 03063 03379                  | FSK 200/1000 | (AB-NZL) |
| F06 | 14459 | 7-3  | 0620 | Wed | Russian diplo/intel. Header: 11166 40122 85241 03063 03379                  | FSK 200/1000 | (AB-CHN) |
| F06 | 18038 | 7-3  | 0800 | Wed | Russian diplo/intel. 11166 70048 15469 07039 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB)     |
| F06 | 16344 | 7-3  | 0810 | Wed | Russian diplo/intel. 11166 70048 15469 07039 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB)     |
| F06 | 14563 | 7-3  | 0820 | Wed | Russian diplo/intel. 11166 70048 15469 07039 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB)     |
| F06 | 18189 | 8-3  | 0600 | Thu | Russian diplo/intel. Header: 11166 40122 85241 03063 03379                  | FSK 200/1000 | (AB-CHN) |
| F06 | 16046 | 8-3  | 0610 | Thu | Russian diplo/intel. Header: 11166 40122 85241 03063 03379                  | FSK 200/1000 | (AB-CHN) |
| F06 | 14459 | 8-3  | 0620 | Thu | Russian diplo/intel. Header: 11166 40122 85241 03063 03379                  | FSK 200/1000 | (AB-CHN) |
| F06 | 16054 | 8-3  | 1330 | Thu | Russian diplo/intel. 11166 80214 23587 08067 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB/MPJ) |
| F06 | 13471 | 8-3  | 1340 | Thu | Russian diplo/intel. 11166 80214 23587 08067 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB/MPJ) |
| F06 | 11062 | 8-3  | 1350 | Thu | Russian diplo/intel. 11166 80214 23587 08067 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB/MPJ) |
| F06 | 14354 | 10-3 | 0900 | Sat | Russian diplo/intel. Header: 11166 70147 38950 07077 01609                  | FSK 200/1000 | (Danix)  |
| F06 | 12206 | 10-3 | 0910 | Sat | Russian diplo/intel. Header: 11166 70147 38950 07077 01609                  | FSK 200/1000 | (Danix)  |
| F06 | 10293 | 10-3 | 0920 | Sat | Russian diplo/intel. Header: 11166 70147 38950 07077 01609                  | FSK 200/1000 | (Danix)  |
| F06 | 18948 | 10-3 | 1000 | Sat | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                  | FSK 200/1000 | (AB-RUS) |
| F06 | 16223 | 10-3 | 1010 | Sat | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                  | FSK 200/1000 | (AB-RUS) |
| F06 | 14639 | 10-3 | 1020 | Sat | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                  | FSK 200/1000 | (AB)     |
| F06 | 17414 | 10-3 | 1100 | Sat | Russian diplo/intel. Header: 11166 50046 36201 07029 01069                  | FSK 200/1000 | (AB-RUS) |
| F06 | 15605 | 10-3 | 1110 | Sat | Russian diplo/intel. Header: 11166 50046 36201 07029 01069                  | FSK 200/1000 | (AB-RUS) |
| F06 | 13444 | 10-3 | 1120 | Sat | Russian diplo/intel. Header: 11166 50046 36201 07029 01069                  | FSK 200/1000 | (AB/MPJ) |
| F06 | 22913 | 10-3 | 1500 | Sat | Russian diplo/intel. 11100 40133 36987 10001 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB-RUS) |
| F06 | 20374 | 10-3 | 1510 | Sat | Russian diplo/intel. 11100 40133 36987 10001 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB-RUS) |
| F06 | 18406 | 10-3 | 1520 | Sat | Russian diplo/intel. 11100 40133 36987 10001 00049 00000 00000 00000 00000  | FSK 200/1000 | (AB-RUS) |
| F06 | 14354 | 11-3 | 0900 | Sun | Russian diplo/intel. Header: 11166 70147 38950 07077 01609                  | FSK 200/1000 | (AB)     |
| F06 | 12206 | 11-3 | 0910 | Sun | Russian diplo/intel. Header: 11166 70147 38950 07077 01609                  | FSK 200/1000 | (AB)     |
| F06 | 10293 | 11-3 | 0920 | Sun | Russian diplo/intel. Header: 11166 70147 38950 07077 01609                  | FSK 200/1000 | (AB)     |
| F06 | 18948 | 11-3 | 1000 | Sun | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                  | FSK 200/1000 | (AB)     |
| F06 | 16223 | 11-3 | 1010 | Sun | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                  | FSK 200/1000 | (AB)     |
| F06 | 14639 | 11-3 | 1020 | Sun | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                  | FSK 200/1000 | (AB)     |

|     |       |      |      |     |                                                                                               |              |              |
|-----|-------|------|------|-----|-----------------------------------------------------------------------------------------------|--------------|--------------|
| F06 | 17414 | 11-3 | 1100 | Sun | Russian diplo/intel. Header: 11166 50046 36201 07029 01069                                    | FSK 200/1000 | (AB/MPJ)     |
| F06 | 15605 | 11-3 | 1110 | Sun | Russian diplo/intel. Header: 11166 50046 36201 07029 01069                                    | FSK 200/1000 | (AB/MPJ)     |
| F06 | 13444 | 11-3 | 1120 | Sun | Russian diplo/intel. Header: 11166 50046 36201 07029 01069                                    | FSK 200/1000 | (AB/MPJ)     |
| F06 | 16245 | 11-3 | 1530 | Sun | Russian diplo/intel. 11166 10053 13579 11001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (MPJ-RUS)    |
| F06 | 14356 | 11-3 | 1540 | Sun | Russian diplo/intel. 11166 10053 13579 11001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (MPJ-RUS)    |
| F06 | 12138 | 11-3 | 1550 | Sun | Russian diplo/intel. 11166 10053 13579 11001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (MPJ-RUS)    |
| F06 | 17428 | 13-3 | 1451 | Thu | Russian diplo/intel. Test: 4646464646464464646464646464                                       | FSK 200/1000 | (AB)         |
| F06 | 17428 | 13-3 | 1500 | Thu | Russian diplo/intel. 11166 00052 78930 13079 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)     |
| F06 | 15646 | 13-3 | 1510 | Thu | Russian diplo/intel. 11166 00052 78930 13079 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)     |
| F06 | 12153 | 13-3 | 1520 | Thu | Russian diplo/intel. 11166 00052 78930 13079 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)     |
| F06 | 16359 | 13-3 | 1650 | Thu | Russian diplo/intel. 11166 10053 35791 13067 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 13986 | 13-3 | 1700 | Thu | Russian diplo/intel. 11166 10053 35791 13067 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 11523 | 13-3 | 1710 | Thu | Russian diplo/intel. 11166 10053 35791 13067 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)     |
| F06 | 8065  | 13-3 | 1800 | Thu | Russian diplo/intel. Header: 11100 00000 41273 12077 02209                                    | FSK 200/1000 | (AB/Danix)   |
| F06 | 8065  | 13-3 | 1800 | Thu | Russian diplo/intel. Header: 11100 00000 41273 12077 02209                                    | FSK 200/1000 | (AB/Danix)   |
| F06 | 5912  | 13-3 | 1810 | Thu | Russian diplo/intel. Header: 11100 00000 41273 12077 02209                                    | FSK 200/1000 | (AB/Danix)   |
| F06 | 5912  | 13-3 | 1810 | Thu | Russian diplo/intel. Header: 11100 00000 41273 12077 02209                                    | FSK 200/1000 | (AB/Danix)   |
| F06 | 4043  | 13-3 | 1820 | Thu | Russian diplo/intel. Header: 11100 00000 41273 12077 02209                                    | FSK 200/1000 | (AB/Danix)   |
| F06 | 4043  | 13-3 | 1820 | Thu | Russian diplo/intel. Header: 11100 00000 41273 12077 02209                                    | FSK 200/1000 | (AB/Danix)   |
| F06 | 18189 | 14-3 | 0600 | Wed | Russian diplo/intel. Headers: 11166 40122 35796 10064 03029 and 11166 40122 41209 10065 02279 | FSK 200/1000 | (AB-CHN)     |
| F06 | 16046 | 14-3 | 0610 | Wed | Russian diplo/intel. Headers: 11166 40122 35796 10064 03029 and 11166 40122 41209 10065 02279 | FSK 200/1000 | (AB-CHN)     |
| F06 | 14459 | 14-3 | 0620 | Wed | Russian diplo/intel. Headers: 11166 40122 35796 10064 03029 and 11166 40122 41209 10065 02279 | FSK 200/1000 | (AB-CHN)     |
| F06 | 18038 | 14-3 | 0800 | Wed | Russian diplo/intel. 11166 70048 18951 14075 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB)         |
| F06 | 16344 | 14-3 | 0810 | Wed | Russian diplo/intel. 11166 70048 18951 14075 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB)         |
| F06 | 14563 | 14-3 | 0820 | Wed | Russian diplo/intel. 11166 70048 18951 14075 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB)         |
| F06 | 20386 | 14-3 | 0900 | Wed | Russian diplo/intel. Header: 11166 00052 38097 13026 01889                                    | FSK 200/1000 | (AB-RUS)     |
| F06 | 18215 | 14-3 | 0910 | Wed | Russian diplo/intel. Header: 11166 00052 38097 13026 01889                                    | FSK 200/1000 | (AB)         |
| F06 | 16061 | 14-3 | 0920 | Wed | Russian diplo/intel. Header: 11166 00052 38097 13026 01889                                    | FSK 200/1000 | (AB)         |
| F06 | 20138 | 14-3 | 1015 | Wed | Russian diplo/intel. 11166 10031 52369 14001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB-RUS)     |
| F06 | 17428 | 14-3 | 1025 | Wed | Russian diplo/intel. 11166 10031 52369 14001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/RL)      |
| F06 | 14983 | 14-3 | 1035 | Wed | Russian diplo/intel. 11166 10031 52369 14001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB)         |
| F06 | 9257  | 14-3 | 1200 | Wed | Russian diplo/intel. Header: 11166 30011 58901 13042 02559                                    | FSK 200/1000 | (Danix)      |
| F06 | 9257  | 14-3 | 1200 | Wed | Russian diplo/intel. Header: 11166 30011 58901 13042 02559                                    | FSK 200/1000 | (Danix)      |
| F06 | 12154 | 14-3 | 1210 | Wed | Russian diplo/intel. Header: 11166 30011 58901 13042 02559                                    | FSK 200/1000 | (Danix)      |
| F06 | 12154 | 14-3 | 1210 | Wed | Russian diplo/intel. Header: 11166 30011 58901 13042 02559                                    | FSK 200/1000 | (Danix)      |
| F06 | 16333 | 14-3 | 1220 | Wed | Russian diplo/intel. Header: 11166 30011 58901 13042 02559                                    | FSK 200/1000 | (Danix)      |
| F06 | 16333 | 14-3 | 1220 | Wed | Russian diplo/intel. Header: 11166 30011 58901 13042 02559                                    | FSK 200/1000 | (Danix)      |

|     |       |      |      |     |                                                                                               |              |                  |
|-----|-------|------|------|-----|-----------------------------------------------------------------------------------------------|--------------|------------------|
| F06 | 13373 | 14-3 | 1610 | Wed | Russian diplo/intel. Header: 11166 40034 36987 14001 02639                                    | FSK 200/1000 | (Danix)          |
| F06 | 13373 | 14-3 | 1610 | Wed | Russian diplo/intel. Header: 11166 40034 36987 14001 02639                                    | FSK 200/1000 | (Danix)          |
| F06 | 10264 | 14-3 | 1620 | Wed | Russian diplo/intel. Header: 11166 40034 36987 14001 02639                                    | FSK 200/1000 | (Danix)          |
| F06 | 10264 | 14-3 | 1620 | Wed | Russian diplo/intel. Header: 11166 40034 36987 14001 02639                                    | FSK 200/1000 | (Danix)          |
| F06 | 18189 | 15-3 | 0600 | Thu | Russian diplo/intel. Headers: 11166 40122 35796 10064 03029 and 11166 40122 41209 10065 02279 | FSK 200/1000 | (AB-CHN)         |
| F06 | 16046 | 15-3 | 0610 | Thu | Russian diplo/intel. Headers: 11166 40122 35796 10064 03029 and 11166 40122 41209 10065 02279 | FSK 200/1000 | (AB-CHN)         |
| F06 | 14459 | 15-3 | 0620 | Thu | Russian diplo/intel. Headers: 11166 40122 35796 10064 03029 and 11166 40122 41209 10065 02279 | FSK 200/1000 | (AB-CHN)         |
| F06 | 20386 | 15-3 | 0900 | Thu | Russian diplo/intel. Header: 11166 00052 38097 13026 01889                                    | FSK 200/1000 | (AB-RUS)         |
| F06 | 18215 | 15-3 | 0910 | Thu | Russian diplo/intel. Header: 11166 00052 38097 13026 01889                                    | FSK 200/1000 | (AB)             |
| F06 | 16061 | 15-3 | 0920 | Thu | Russian diplo/intel. Header: 11166 00052 38097 13026 01889                                    | FSK 200/1000 | (AB)             |
| F06 | 16054 | 15-3 | 1330 | Thu | Russian diplo/intel. 11166 80214 29578 15067 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 13471 | 15-3 | 1340 | Thu | Russian diplo/intel. 11166 80214 29578 15067 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 11062 | 15-3 | 1350 | Thu | Russian diplo/intel. 11166 80214 29578 15067 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 17414 | 17-3 | 1100 | Sat | Russian diplo/intel. Header: 11166 50046 84731 16030 02249                                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 15605 | 17-3 | 1110 | Sat | Russian diplo/intel. Header: 11166 50046 84731 16030 02249                                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 13444 | 17-3 | 1120 | Sat | Russian diplo/intel. Header: 11166 50046 84731 16030 02249                                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 17414 | 18-3 | 1100 | Sun | Russian diplo/intel. Header: 11166 50046 84731 16030 02249                                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 15605 | 18-3 | 1110 | Sun | Russian diplo/intel. Header: 11166 50046 84731 16030 02249                                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 13444 | 18-3 | 1120 | Sun | Russian diplo/intel. Header: 11166 50046 84731 16030 02249                                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 16245 | 18-3 | 1530 | Sun | Russian diplo/intel. 11166 10053 10295 18001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 14356 | 18-3 | 1540 | Sun | Russian diplo/intel. 11166 10053 10295 18001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 12138 | 18-3 | 1550 | Sun | Russian diplo/intel. 11166 10053 10295 18001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 10249 | 19-3 | 0500 | Mon | Russian diplo/intel. 11166 70059 01925 19001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB-RUS)         |
| F06 | 8137  | 19-3 | 0510 | Mon | Russian diplo/intel. 11166 70059 01925 19001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB)             |
| F06 | 5948  | 19-3 | 0520 | Mon | Russian diplo/intel. 11166 70059 01925 19001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB)             |
| F06 | 15646 | 20-3 | 1510 | Thu | Russian diplo/intel. 11166 00052 12596 20011 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB-AUT/MPJ-HOL) |
| F06 | 12153 | 20-3 | 1520 | Thu | Russian diplo/intel. 11166 00052 12596 20011 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB-AUT/MPJ-HOL) |
| F06 | 16359 | 20-3 | 1650 | Thu | Russian diplo/intel. 11166 10053 56248 20001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB-RUS/MPJ)     |
| F06 | 13986 | 20-3 | 1700 | Thu | Russian diplo/intel. 11166 10053 56248 20001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB-RUS/MPJ)     |
| F06 | 11523 | 20-3 | 1710 | Thu | Russian diplo/intel. 11166 10053 56248 20001 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 16046 | 21-3 | 0610 | Wed | Russian diplo/intel. 11166 40122 91375 21039 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB-KOR)         |
| F06 | 14459 | 21-3 | 0620 | Wed | Russian diplo/intel. 11166 40122 91375 21039 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB-KOR)         |
| F06 | 18038 | 21-3 | 0800 | Wed | Russian diplo/intel. 11166 70048 18951 21003 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB-G)           |
| F06 | 16344 | 21-3 | 0810 | Wed | Russian diplo/intel. 11166 70048 18951 21003 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB)             |
| F06 | 14563 | 21-3 | 0820 | Wed | Russian diplo/intel. 11166 70048 18951 21003 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB)             |
| F06 | 16054 | 22-3 | 1330 | Thu | Russian diplo/intel. 11166 80214 16547 22037 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)         |
| F06 | 13471 | 22-3 | 1340 | Thu | Russian diplo/intel. 11166 80214 16547 22037 00049 00000 00000 00000 00000                    | FSK 200/1000 | (AB/MPJ)         |

|     |       |      |      |     |                                                                            |              |                  |
|-----|-------|------|------|-----|----------------------------------------------------------------------------|--------------|------------------|
| F06 | 11062 | 22-3 | 1350 | Thu | Russian diplo/intel. 11166 80214 16547 22037 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ)         |
| F06 | 14354 | 24-3 | 0900 | Sat | Russian diplo/intel. Header: 11166 70147 50172 23078 00689                 | FSK 200/1000 | (AB)             |
| F06 | 12206 | 24-3 | 0910 | Sat | Russian diplo/intel. Header: 11166 70147 50172 23078 00689                 | FSK 200/1000 | (AB)             |
| F06 | 10293 | 24-3 | 0920 | Sat | Russian diplo/intel. Header: 11166 70147 50172 23078 00689                 | FSK 200/1000 | (AB)             |
| F06 | 18948 | 24-3 | 1000 | Sat | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                 | FSK 200/1000 | (AB-RUS)         |
| F06 | 16223 | 24-3 | 1010 | Sat | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                 | FSK 200/1000 | (AB)             |
| F06 | 14639 | 24-3 | 1020 | Sat | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                 | FSK 200/1000 | (AB)             |
| F06 | 17414 | 24-3 | 1100 | Sat | Russian diplo/intel. Header: 11166 50046 97631 23031 01549                 | FSK 200/1000 | (AB-RUS/MPJ-AUT) |
| F06 | 15605 | 24-3 | 1110 | Sat | Russian diplo/intel. Header: 11166 50046 97631 23031 01549                 | FSK 200/1000 | (AB/MPJ-AUT)     |
| F06 | 13444 | 24-3 | 1120 | Sat | Russian diplo/intel. Header: 11166 50046 97631 23031 01549                 | FSK 200/1000 | (AB/MPJ-AUT)     |
| F06 | 22913 | 24-3 | 1500 | Sat | Russian diplo/intel. 11166 40133 21345 24001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS)         |
| F06 | 20374 | 24-3 | 1510 | Sat | Russian diplo/intel. 11166 40133 21345 24001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ)     |
| F06 | 18406 | 24-3 | 1520 | Sat | Russian diplo/intel. 11166 40133 21345 24001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ)     |
| F06 | 14354 | 25-3 | 0900 | Sun | Russian diplo/intel. Header: 11166 70147 50172 23078 00689                 | FSK 200/1000 | (AB)             |
| F06 | 14354 | 25-3 | 0900 | Sun | Russian diplo/intel. Test: 46464646464646464646464646464646                | FSK 200/1000 | (AB)             |
| F06 | 12206 | 25-3 | 0910 | Sun | Russian diplo/intel. Header: 11166 70147 50172 23078 00689                 | FSK 200/1000 | (AB)             |
| F06 | 10293 | 25-3 | 0920 | Sun | Russian diplo/intel. Header: 11166 70147 50172 23078 00689                 | FSK 200/1000 | (AB)             |
| F06 | 18948 | 25-3 | 1000 | Sun | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                 | FSK 200/1000 | (AB-RUS)         |
| F06 | 16223 | 25-3 | 1010 | Sun | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                 | FSK 200/1000 | (AB)             |
| F06 | 14639 | 25-3 | 1020 | Sun | Russian diplo/intel. Header: 11166 70004 90135 07005 00539                 | FSK 200/1000 | (AB)             |
| F06 | 17414 | 25-3 | 1100 | Sun | Russian diplo/intel. Header: 11166 50046 97631 23031 01549                 | FSK 200/1000 | (AB-RUS)         |
| F06 | 15605 | 25-3 | 1110 | Sun | Russian diplo/intel. Header: 11166 50046 97631 23031 01549                 | FSK 200/1000 | (AB)             |
| F06 | 13444 | 25-3 | 1120 | Sun | Russian diplo/intel. Header: 11166 50046 97631 23031 01549                 | FSK 200/1000 | (AB)             |
| F06 | 16245 | 25-3 | 1530 | Sun | Russian diplo/intel. 11166 10053 13579 25063 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS)         |
| F06 | 14356 | 25-3 | 1540 | Sun | Russian diplo/intel. 11166 10053 13579 25063 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB)             |
| F06 | 12138 | 25-3 | 1550 | Sun | Russian diplo/intel. 11166 10053 13579 25063 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB)             |
| F06 | 17428 | 27-3 | 1500 | Thu | Russian diplo/intel. 11166 00052 45678 27099 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-G)           |
| F06 | 15646 | 27-3 | 1510 | Thu | Russian diplo/intel. 11166 00052 45678 27099 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-AUT)         |
| F06 | 12153 | 27-3 | 1520 | Thu | Russian diplo/intel. 11166 00052 45678 27099 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-POL)         |
| F06 | 16359 | 27-3 | 1650 | Thu | Russian diplo/intel. 11166 10053 13579 27001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ-RUS) |
| F06 | 13986 | 27-3 | 1700 | Thu | Russian diplo/intel. 11166 10053 13579 27001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ-RUS) |
| F06 | 11523 | 27-3 | 1710 | Thu | Russian diplo/intel. 11166 10053 13579 27001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ-RUS) |
| F06 | 18189 | 28-3 | 0600 | Wed | Russian diplo/intel. Header: 11166 40122 85243 24066 03779                 | FSK 200/1000 | (AB-KOR)         |
| F06 | 16046 | 28-3 | 0610 | Wed | Russian diplo/intel. Header: 11166 40122 85243 24066 03779                 | FSK 200/1000 | (AB-KOR)         |
| F06 | 14459 | 28-3 | 0620 | Wed | Russian diplo/intel. Header: 11166 40122 85243 24066 03779                 | FSK 200/1000 | (AB-KOR)         |
| F06 | 16344 | 28-3 | 0810 | Wed | Russian diplo/intel. 11166 70048 18951 28079 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB)             |
| F06 | 14563 | 28-3 | 0820 | Wed | Russian diplo/intel. 11166 70048 18951 28079 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB)             |
| F06 | 20386 | 28-3 | 0900 | Wed | Russian diplo/intel. Header: 11166 00052 38097 13026 01889                 | FSK 200/1000 | (AB-RUS)         |
| F06 | 18215 | 28-3 | 0910 | Wed | Russian diplo/intel. Header: 11166 00052 38097 13026 01889                 | FSK 200/1000 | (AB-RUS)         |
| F06 | 16061 | 28-3 | 0920 | Wed | Russian diplo/intel. Header: 11166 00052 38097 13026 01889                 | FSK 200/1000 | (AB-RUS)         |

[illegible]



|      |       |      |      |     |                                                                                                       |             |              |
|------|-------|------|------|-----|-------------------------------------------------------------------------------------------------------|-------------|--------------|
| F11  | 9339  | 19-3 | 0850 | Mon | 0353 00000                                                                                            | FSK 100/620 | (AB)         |
| F11  | 7670  | 20-3 | 1150 | Thu | 0325 000                                                                                              | FSK 100/620 | (AB/MPJ)     |
| F11  | 7670  | 20-3 | 1155 | Thu | 0325 000                                                                                              | FSK 100/620 | (AB/MPJ)     |
| F11  | 9339  | 21-3 | 0850 | Wed | 0353 00000                                                                                            | FSK 100/620 | (AB)         |
| F11  | 7670  | 21-3 | 1150 | Wed | 0325 00000                                                                                            | FSK 100/620 | (AB/MPJ)     |
| F11  | 7670  | 21-3 | 1155 | Wed | 0325 00000                                                                                            | FSK 100/620 | (AB/MPJ)     |
| F11  | 9339  | 26-3 | 0845 | Mon | 0353 88888 88888 20666 13368 00374 ... 14576 37451 83584 88888 88888 00038 00038                      | FSK 100/620 | (AB)         |
| F11  | 9339  | 26-3 | 0850 | Mon | 0353 88888 88888 20666 13368 00374 ... 14576 37451 83584 88888 88888 00038 00038                      | FSK 100/620 | (AB)         |
| F11  | 7670  | 27-3 | 1150 | Thu | 0325 000                                                                                              | FSK 100/620 | (AB/MPJ)     |
| F11  | 7670  | 27-3 | 1155 | Thu | 0325 000                                                                                              | FSK 100/620 | (AB/MPJ)     |
| F11  | 9339  | 28-3 | 0845 | Wed | 0353 88888 88888 20666 13368 00374 ... 14576 37451 83584 88888 88888 00038 00038                      | FSK 100/620 | (AB)         |
| F11  | 9339  | 28-3 | 0850 | Wed | 0353 88888 88888 20666 13368 00374 ... 14576 37451 83584 88888 88888 00038 00038                      | FSK 100/620 | (AB)         |
| G06  | 4645  | 5-3  | 1700 | Mon | 938 836 119 97948 33246 42828 ... 23238 41125 53736 836 119 00000                                     | USB         | (AB/HFD)     |
| G06  | 5362  | 5-3  | 1800 | Mon | 938 836 119 97948 33246 42828 ... 23238 41125 53736 836 119 00000 Windows shut down sound at 1834 UTC | USB         | (AB/HFD)     |
| G06  | 5903  | 7-3  | 1200 | Wed | 938 836 119 97948 33246 42828 ... 23238 41125 53736 836 119 00000                                     | USB         | (HFD)        |
| G06  | 5422  | 7-3  | 1300 | Wed | 938 ... //5903                                                                                        | USB         | (HFD)        |
| G06  | 5903  | 7-3  | 1300 | Wed | 938 ... //5422                                                                                        | USB         | (HFD)        |
| G06  | 4598  | 8-3  | 1300 | Thu | 329 329 329 00000 Windows shut down sound                                                             | USB         | (AB-POL)     |
| G06  | 5442  | 9-3  | 1930 | Fri | 947 183 77 73413 48673 92659 ... 91242 17492 27491 183 77 00000 Windows shutdown sound                | USB         | (AB/MPJ/HFD) |
| G06  | 4657  | 12-3 | 1659 | Mon | 938 836 119 97948 33246 42828 ... 23238 41125 53736 836 119 00000                                     | USB         | (AB/MPJ)     |
| G06  | 4657  | 12-3 | 1738 | Mon | 111 111 111 00000                                                                                     | USB         | (AB)         |
| G06  | 5362  | 12-3 | 1759 | Mon | 938 836 119 97948 33246 42828 ... 23238 41125 53736 836 119 00000 Windows shutdown sound at 1833 UTC  | USB         | (AB/MPJ)     |
| G06  | 5912  | 14-3 | 1200 | Wed | 938 836 119 97948 33246 42828 ... 23238 41125 53736 836 119 00000                                     | USB         | (AB/ES/HFD)  |
| G06  | 5912  | 14-3 | 1236 | Wed | 111 111 1                                                                                             | USB         | (AB)         |
| G06  | 5922  | 14-3 | 1244 | Wed | 111 111 111 00000                                                                                     | USB         | (AB)         |
| G06  | 5922  | 14-3 | 1245 | Wed | 111 111 111 00000                                                                                     | USB         | (AB)         |
| G06  | 5422  | 14-3 | 1300 | Wed | 938 ...                                                                                               | USB         | (HFD)        |
| G06  | 5922  | 14-3 | 1300 | Wed | 938 836 119 97948 33246 42828 ... 23238 41125 53736 836 119 00000 Windows shut down sound at 1334 UTC | USB         | (AB/MPJ/ES)  |
| G06  | 6810  | 19-3 | 0800 | Mon | 329 329 329 00000                                                                                     | USB         | (AB/HFD)     |
| G06  | 4598  | 22-3 | 1300 | Thu | 725 725 725 00000                                                                                     | USB         | (AB)         |
| G06  | 5922  | 22-3 | 1830 | Thu | 579 134 57 69834 91020 28974 ... 72813 26743 84732 134 57 00000 Windows shut down sound               | USB         | (AB/HFD)     |
| G06  | 5442  | 23-3 | 1930 | Fri | 947 134 57 69834 91020 28974 ... 72813 26743 84732 134 57 00000. Window-XP shutdown sound             | USB         | (AB/MPJ)     |
| HM01 | 11435 | 1-3  | 1601 | Thu | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb). Distorted audio and echo                       | AM/RDFT     | (RR2)        |
| HM01 | 11435 | 2-3  | 1602 | Fri | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb). Distorted audio and echo                       | AM/RDFT     | (RR2)        |

|      |       |      |      |     |                                                                                                                                                                                            |         |           |
|------|-------|------|------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|
| HM01 | 11435 | 3-3  | 1600 | Sat | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb) Bad audio.                                                                                                                           | AM/RDFT | (RR2)     |
| HM01 | 16180 | 3-3  | 2106 | Sat | i.p. 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb)                                                                                                                                 | AM/RDFT | (RL)      |
| HM01 | 17480 | 3-3  | 2157 | Sat | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb)                                                                                                                                      | AM/RDFT | (RL)      |
| HM01 | 9065  | 4-3  | 0846 | Sun | i.p. 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb)                                                                                                                                 | AM/RDFT | (AB)      |
| HM01 | 11435 | 4-3  | 1630 | Sun | i.p. 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb) Bad audio.                                                                                                                      | AM/RDFT | (RR2)     |
| HM01 | 11635 | 4-3  | 2057 | Sun | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb)                                                                                                                                      | AM/RDFT | (RL)      |
| HM01 | 10715 | 4-3  | 2157 | Sun | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb)                                                                                                                                      | AM/RDFT | (RL)      |
| HM01 | 11435 | 5-3  | 1600 | Mon | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb) Bad audio.                                                                                                                           | AM/RDFT | (RR2)     |
| HM01 | 11635 | 5-3  | 2057 | Mon | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb)                                                                                                                                      | AM/RDFT | (RL)      |
| HM01 | 10715 | 5-3  | 2157 | Mon | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb)                                                                                                                                      | AM/RDFT | (RL)      |
| HM01 | 11635 | 6-3  | 1758 | Thu | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb). Bad audio                                                                                                                           | AM/RDFT | (RR2)     |
| HM01 | 16180 | 6-3  | 2100 | Thu | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb). Distorted audio                                                                                                                     | AM/RDFT | (Dan)     |
| HM01 | 9151  | 7-3  | 0957 | Wed | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb)                                                                                                                                      | AM/RDFT | (RL)      |
| HM01 | 11530 | 7-3  | 1726 | Wed | i.p. 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb). Bad audio                                                                                                                      | AM/RDFT | (RR2)     |
| HM01 | 11435 | 8-3  | 1601 | Thu | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb) Distorted audio                                                                                                                      | AM/RDFT | (RR2)     |
| HM01 | 16180 | 8-3  | 2057 | Thu | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb)                                                                                                                                      | AM/RDFT | (RL)      |
| HM01 | 17480 | 8-3  | 2200 | Thu | 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb)                                                                                                                                      | AM/RDFT | (Dan)     |
| HM01 | 17480 | 8-3  | 2202 | Thu | Late start. Begins with series of 2's, then 1's and Windows error sound. At 2212z again 1's followed by a mess of numbers. At 2213z: 15213 86101 55765 40731 38366 28651 (repeat of 9 Feb) | AM/RDFT | (RL)      |
| HM01 | 9240  | 9-3  | 0845 | Fri | i.p. 66012 17241 10803 16171 10125 67090 Should be on 9065 kHz                                                                                                                             | AM/RDFT | (AB)      |
| HM01 | 9240  | 9-3  | 0857 | Fri | 66012 17241 10803 16171 10125 67090                                                                                                                                                        | AM/RDFT | (AB)      |
| HM01 | 9240  | 9-3  | 0957 | Fri | 66012 17241 10803 16171 10125 67090 Should be on 9155 kHz. Switches to 9155 kHz at 1000z                                                                                                   | AM/RDFT | (AB)      |
| HM01 | 9155  | 9-3  | 1000 | Fri | 66012 17241 10803 16171 10125 67090                                                                                                                                                        | AM/RDFT | (AB)      |
| HM01 | 11435 | 9-3  | 1600 | Fri | Not heard. 1630z: 2 2 2 then dead air until 1646z: 66013                                                                                                                                   | AM/RDFT | (RR2)     |
| HM01 | 11530 | 9-3  | 1702 | Fri | 2 2 2 then dead air. 1726z: 66013 17241 10804 16172 10126 31640. Lots of Windows errors sounds in background.                                                                              | AM/RDFT | (RR2/FPE) |
| HM01 | 11435 | 10-3 | 1559 | Sat | Radio Habana Cuba until 1603z then 66014 17242 10805 16173 10127 31641 Poor and doubling over itself about 5 seconds out of phase                                                          | AM/RDFT | (RR2)     |
| HM01 | 10345 | 11-3 | 0559 | Sun | 66014 17242 10805 16173 10127 31641. Files sent 50416601.F1C 20511724.TXT 46251080.TXT 01041617.TXT 74061012.TXT 28563164.TXT                                                              | AM/RDFT | (AB)      |
| HM01 | 9330  | 11-3 | 0657 | Sun | 66014 17242 10805 16173 10127 31641                                                                                                                                                        | AM/RDFT | (AB)      |
| HM01 | 9065  | 11-3 | 0755 | Sun | 66014 17242 10805 16173 10127 31641                                                                                                                                                        | AM/RDFT | (AB)      |
| HM01 | 9065  | 11-3 | 0855 | Sun | 66014 17242 10805 16173 10127 31641. Should be on 9240 kHz. Stopped and switched freq at 0916 UTC                                                                                          | AM/RDFT | (AB)      |
| HM01 | 9240  | 11-3 | 0925 | Sun | 66014 17242 10805 16173 10127 31641. Comes from 9065 kHz.                                                                                                                                  | AM/RDFT | (AB)      |
| HM01 | 9155  | 11-3 | 0955 | Sun | 66014 17242 10805 16173 10127 31641                                                                                                                                                        | AM/RDFT | (AB)      |
| HM01 | 11435 | 11-3 | 1558 | Sun | 66015 17243 10806 16174 10128 31642                                                                                                                                                        | AM/RDFT | (RR2)     |
| HM01 | 9330  | 12-3 | 0656 | Mon | 66015 17243 10806 16174 10128 31642                                                                                                                                                        | AM/RDFT | (AB)      |

|      |       |      |      |     |                                                                                                        |         |       |
|------|-------|------|------|-----|--------------------------------------------------------------------------------------------------------|---------|-------|
| HM01 | 9065  | 12-3 | 0757 | Mon | 66015 17243 10806 16174 10128 31642                                                                    | AM/RDFT | (AB)  |
| HM01 | 9240  | 12-3 | 0855 | Mon | 66015 17243 10806 16174 10128 31642                                                                    | AM/RDFT | (AB)  |
| HM01 | 11435 | 12-3 | 1557 | Mon | 66016 17244 10807 16175 68181 31643                                                                    | AM/RDFT | (RR2) |
| HM01 | 11435 | 13-3 | 1555 | Thu | 66017 17245 28431 16176 68181 31644                                                                    | AM/RDFT | (RR2) |
| HM01 | 9240  | 14-3 | 0855 | Wed | 66017 17245 28431 16176 68181 31644                                                                    | AM/RDFT | (AB)  |
| HM01 | 9155  | 14-3 | 0956 | Wed | 66017 17245 28431 16176 68181 31644                                                                    | AM/RDFT | (AB)  |
| HM01 | 11435 | 14-3 | 1559 | Wed | 07311 17246 28431 16177 68182 31645                                                                    | AM/RDFT | (RR2) |
| HM01 | 16180 | 14-3 | 2057 | Wed | 66017 17245 28431 16176 68181 31644                                                                    | AM/RDFT | (RL)  |
| HM01 | 17480 | 14-3 | 2157 | Wed | 66017 17245 28431 16176 68181 31644                                                                    | AM/RDFT | (RL)  |
| HM01 | 11435 | 15-3 | 1627 | Thu | i.p. 07311 17247 28432 63041 68183 31646                                                               | AM/RDFT | (RR2) |
| HM01 | 16180 | 15-3 | 2057 | Thu | 07311 17247 28432 63041 68183 31646                                                                    | AM/RDFT | (RL)  |
| HM01 | 16180 | 15-3 | 2100 | Thu | 17247 28432 63041 68183 31646 07311                                                                    | AM/RDFT | (Dan) |
| HM01 | 17480 | 15-3 | 2157 | Thu | 07311 17247 28432 63041 68183 31646                                                                    | AM/RDFT | (RL)  |
| HM01 | 11435 | 16-3 | 1555 | Fri | 07312 17248 28433 63041 68184 31647                                                                    | AM/RDFT | (RR2) |
| HM01 | 11435 | 17-3 | 1600 | Sat | 07313 53031 28434 63042 68185 38421                                                                    | AM/RDFT | (RR2) |
| HM01 | 16180 | 17-3 | 2057 | Sat | 07313 53031 28434 63042 68185 38421                                                                    | AM/RDFT | (RL)  |
| HM01 | 17480 | 17-3 | 2203 | Sat | Late start. 07313 53031 28434 63042 68185 38421                                                        | AM/RDFT | (RL)  |
| HM01 | 9330  | 18-3 | 0655 | Sun | 07313 53031 28434 63042 68185 38421                                                                    | AM/RDFT | (AB)  |
| HM01 | 9065  | 18-3 | 0757 | Sun | 07313 53031 28434 63042 68185 38421                                                                    | AM/RDFT | (AB)  |
| HM01 | 9240  | 18-3 | 0903 | Sun | i.p. 07313 53031 28434 63042 68185 38421                                                               | AM/RDFT | (AB)  |
| HM01 | 11435 | 18-3 | 1559 | Sun | 07314 53031 28435 63043 68186 38421                                                                    | AM/RDFT | (RR2) |
| HM01 | 9155  | 19-3 | 0957 | Mon | 07314 53031 28435 63043 68186 38421                                                                    | AM/RDFT | (RL)  |
| HM01 | 11435 | 19-3 | 1555 | Mon | 07315 53032 28436 63044 68187 38422                                                                    | AM/RDFT | (RR2) |
| HM01 | 10715 | 19-3 | 2157 | Mon | 07315 53032 28436 63044 68187 38422                                                                    | AM/RDFT | (RL)  |
| HM01 | 11635 | 20-3 | 0755 | Thu | 07315 53032 28436 63044 68187 38422                                                                    | AM/RDFT | (AB)  |
| HM01 | 11435 | 20-3 | 1556 | Thu | 07316 53033 28437 63045 68188 38423                                                                    | AM/RDFT | (RR2) |
| HM01 | 16180 | 20-3 | 2057 | Thu | 07316 53033 28437 63045 68188 38426                                                                    | AM/RDFT | (RL)  |
| HM01 | 17480 | 20-3 | 2157 | Thu | 07316 53033 28437 63045 68188 38426                                                                    | AM/RDFT | (RL)  |
| HM01 | 11435 | 21-3 | 1600 | Wed | 07316 53033 28437 63045 68188 38423 (repeat of 20-3)                                                   | AM/RDFT | (RR2) |
| HM01 | 10715 | 21-3 | 2157 | Wed | 07136 53033 28437 63045 68188 38423 (repeat of 20-3)                                                   | AM/RDFT | (RL)  |
| HM01 | 11435 | 22-3 | 1555 | Thu | 07136 53033 28437 63045 68188 38423 (repeat of 20-3)                                                   | AM/RDFT | (RR2) |
| HM01 | 9240  | 23-3 | 0935 | Fri | i.p. 07316 53033 28437 63045 68188 38423                                                               | AM/RDFT | (RL)  |
| HM01 | 9155  | 23-3 | 0957 | Fri | 07316 53033 28437 63045 68188 38423                                                                    | AM/RDFT | (RL)  |
| HM01 | 11435 | 23-3 | 1556 | Fri | 07317 53034 28438 63046 68189 38424                                                                    | AM/RDFT | (RR2) |
| HM01 | 11635 | 23-3 | 2057 | Fri | 07317 53034 28438 63046 68189 38424                                                                    | AM/RDFT | (RL)  |
| HM01 | 10715 | 23-3 | 2157 | Fri | 07317 53034 28438 63046 68189 38424                                                                    | AM/RDFT | (RL)  |
| HM01 | 11435 | 24-3 | 1555 | Sat | 07318 53035 28439 63047 85261 38425                                                                    | AM/RDFT | (RR2) |
| HM01 | 16180 | 24-3 | 2100 | Sat | Radio Habana Cuba in Portuguese from 2045z to 2050z then at 2100z: 07318 53035 28439 63047 85261 38425 | AM/RDFT | (Dan) |
| HM01 | 9065  | 25-3 | 0756 | Sun | 07318 53035 28439 63047 85261 38425                                                                    | AM/RDFT | (AB)  |



|      |       |      |      |     |                                                                                                                                                                 |         |              |
|------|-------|------|------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|
| HM01 | 11530 | 25-3 | 1655 | Sun | 71871 53036 86321 63048 85261 38426                                                                                                                             | AM/RDFT | (RR2)        |
| HM01 | 9330  | 26-3 | 0704 | Mon | i.p. 71871 53036 86321 63048 85261 38426                                                                                                                        | AM/RDFT | (AB)         |
| HM01 | 9065  | 26-3 | 0756 | Mon | 71871 53036 86321 63048 85261 38426                                                                                                                             | AM/RDFT | (AB)         |
| HM01 | 9240  | 26-3 | 0855 | Mon | 71871 53036 86321 63048 85261 38426                                                                                                                             | AM/RDFT | (AB)         |
| HM01 | 11435 | 26-3 | 1555 | Mon | 71871 53037 86321 63049 85262 38427                                                                                                                             | AM/RDFT | (RR2)        |
| HM01 | 11435 | 27-3 | 1554 | Thu | 71872 53038 86322 55631 85263 35551                                                                                                                             | AM/RDFT | (RR2)        |
| HM01 | 9240  | 28-3 | 0855 | Wed | 71872 53038 86322 55631 85263 35551                                                                                                                             | AM/RDFT | (AB)         |
| HM01 | 11435 | 28-3 | 1557 | Wed | 71873 53039 86323 55631 85264 35551                                                                                                                             | AM/RDFT | (RR2)        |
| HM01 | 11435 | 29-3 | 1600 | Thu | 71874 36551 86324 55632 85265 35552                                                                                                                             | AM/RDFT | (RR2)        |
| HM01 | 9065  | 30-3 | 0757 | Fri | 71874 36551 86324 55632 85265 35552                                                                                                                             | AM/RDFT | (AB)         |
| HM01 | 9240  | 30-3 | 0856 | Fri | 71874 36551 86324 55632 85265 35552                                                                                                                             | AM/RDFT | (AB)         |
| HM01 | 9155  | 30-3 | 0956 | Fri | 71874 36551 86324 55632 85265 35552                                                                                                                             | AM/RDFT | (AB)         |
| M01  | 5475  | 1-3  | 1800 | Thu | Another odd transmission. Running the groups together. 463 926 926 30 30 = = 8050 480540<br>2326 423264 ... 3447634476 05089 05089 = = 926 926 30 30 000        | MCW     | (AB/MPJ/HFD) |
| M01  | 5020  | 1-3  | 2000 | Thu | 463 948 30 = = 88056 93571 40942 ... 73981 12500 80867 = = 948 30 000                                                                                           | CW      | (MPJ)        |
| M01  | 6260  | 3-3  | 1500 | Sat | 463 987 987 30 30 = = 45334 04363 76419 ... 20372 48768 60597 = = 987 987 30 30 000                                                                             | CW      | (AB/MPJ/HFD) |
| M01  | 6510  | 4-3  | 0700 | Sun | Started with the wrong id: 197 (R), then at 0703z: 463 (R) 678 678 30 30 = = 74268 78383<br>72497 ... 43063 64477 99848 = = 678 678 30 30 000                   | CW      | (AB/HFD)     |
| M01  | 5475  | 6-3  | 1800 | Thu | 463 521/30 74268 78393 72497 ... 43063 64477 99848 521/30 000                                                                                                   | CW      | (AB/MPJ)     |
| M01  | 5020  | 6-3  | 2000 | Thu | 463 747/30 747/30 45334 04363 76419 ... 20372 48768 60597 747/30 000                                                                                            | CW      | (AB/MPJ)     |
| M01  | 5475  | 8-3  | 1800 | Thu | 463 475 30 = = 15416 17877 10738 ... 05266 84724 (83723) 41151 = = 475 30 000                                                                                   | CW      | (MPJ)        |
| M01  | 5475  | 8-3  | 1800 | Thu | 463 271 30 = = 40540 42991 57635 ... 08835 86501 77510 = = 271 30 000                                                                                           | CW      | (MPJ)        |
| M01  | 5020  | 8-3  | 2000 | Thu | 463 547 30 07000 50103 48860 ... 78130 97415 83194 = = 547 30 000                                                                                               | CW      | (MPJ)        |
| M01  | 5020  | 8-3  | 2000 | Thu | 463 137 30 = = 30575 49228 13793 ... 46648 14622 81191 = = 137 30 000                                                                                           | CW      | (MPJ)        |
| M01  | 6260  | 10-3 | 1500 | Sat | 463 621 621 30 30 = = 34269 54383 66497 ... 43063 64477 99848 = = 621 621 30 30 000                                                                             | CW      | (AB/MPJ)     |
| M01  | 6510  | 11-3 | 0700 | Sun | 463 847 847 30 30 = = 8.223 03762 777.9 ... 20372 48768 605976597 = = 847 847 30 30 000<br>Dots instead of figures, running groups together, incorrect repeats. | CW      | (AB)         |
| M01  | 5475  | 13-3 | 1800 | Thu | Running groups together. 463 322 322 30 30 = = 9367993679 0789007890 9114291142 ...<br>7389739 = = 322322 3030 000                                              | CW      | (AB/MPJ)     |
| M01  | 5020  | 13-3 | 2000 | Thu | 463 324 30 = = 76346 61228 47464 ... 5191351913 = = 324324 30 30 000                                                                                            | CW      | (AB/MPJ)     |
| M01  | 5020  | 15-3 | 2000 | Thu | 463 547/30 = 06000 ...                                                                                                                                          | CW      | (HFD)        |
| M01  | 6260  | 17-3 | 1500 | Sat | 463 234 30 = = 37431 96333 16414 ... 64858 26206 64111 = = 234 30 000                                                                                           | CW      | (AB)         |
| M01  | 6510  | 18-3 | 0700 | Sun | 463 268/30 268/30 97721 36041 94171 ... 59067 07212 39469 268/30 000                                                                                            | CW      | (AB)         |
| M01  | 5475  | 20-3 | 1800 | Thu | 463 273 273 30 30 = = 10800 35753 54442 ... 60114 17345 54357 = = 273 273 30 30 000                                                                             | CW      | (AB/MPJ))    |
| M01  | 5020  | 20-3 | 2000 | Thu | 463 119 30 = = 25251 00396 98419 ... 69458 09308 04248 = = 119 30 000                                                                                           | CW      | (MPJ)        |
| M01  | 5475  | 22-3 | 1800 | Thu | 463 286/30 286/30 58443 58245 04245 ... 00870 78075 72266 286/30 000                                                                                            | CW      | (AB/MPJ)     |
| M01  | 5020  | 22-3 | 2000 | Thu | 463 549/30 549/30 13912 32833 76601 ... 92806 77043 75887 549/30 (x1) 000                                                                                       | CW      | (MPJ)        |
| M01  | 6260  | 24-3 | 1500 | Sat | 463 121 121 30 30 = = 62294 96106 99313 ... 88084 14737 88909 = = 121 121 30 30 000                                                                             | CW      | (AB/MPJ)     |
| M01  | 6510  | 25-3 | 0700 | Sun | 463 375 375 30 30 = = 76175 76175 45467 45467 83952 59727 ... 01528 35355 62253 = =<br>375 375 30 30 000                                                        | CW      | (AB)         |

|             |       |      |      |     |                                                                                        |     |               |
|-------------|-------|------|------|-----|----------------------------------------------------------------------------------------|-----|---------------|
| <b>M01</b>  | 5475  | 27-3 | 1800 | Thu | 463 285/30 285/30 54144 57693 64789 ... 29075 56128 35218 285/30 000                   | CW  | (AB/MPJ)      |
| <b>M01</b>  | 5020  | 27-3 | 2000 | Thu | 463 675/30 675/30 61937 56570 40050 ... 75784 96047 00412 675/30 000                   | CW  | (AB)          |
| <b>M01</b>  | 5475  | 29-3 | 1800 | Thu | 463 284 284 30 30 = = 58493 20589 98342 ... 02098 885670 (85670) = = 284 284 30 30 000 | CW  | (AB/MPJ)      |
| <b>M01</b>  | 6260  | 31-3 | 1500 | Sat | 463 485/30 485/30 54144 57693 64789 ... 29075 56128 35218 485/30 000                   | CW  | (AB)          |
| <b>M01a</b> | 3308  | 28-3 | 0557 | Wed | 333 333 333 111 000                                                                    | CW  | (F5JBR)       |
| <b>M01a</b> | 4729  | 28-3 | 0615 | Wed | 893 893 893 78504 78504 893 893 893 78504 78504 ...                                    | CW  | (F5JBR)       |
| <b>M01a</b> | 3597  | 28-3 | 0636 | Wed | 289 289 289 53207 53207 289 289 289 53207 53207 ...                                    | CW  | (F5JBR)       |
| <b>M01a</b> | 4843  | 28-3 | 0708 | Wed | 111 999 11464 31347 90526 79728 39913 22689 74663 21755 91548 70830 ...                | CW  | (F5JBR)       |
| <b>M01a</b> | 4549  | 28-3 | 0722 | Wed | 865 865 865 12115 12115 111 333 111 12... 111 000                                      | CW  | (F5JBR)       |
| <b>M01a</b> | 4619  | 28-3 | 0725 | Wed | 897 1263 111 333 11663 111 897 897 897 258 36 = 39502 56277 72156 39378 08002 ...      | CW  | (F5JBR)       |
| <b>M01a</b> | 5209  | 28-3 | 0742 | Wed | 260 260 260 94930 94930 260 260 260 94930 94930 260 260 260 93552 93552                | CW  | (F5JBR)       |
| <b>M01b</b> | 3510  | 1-3  | 1932 | Thu | 201 917 32 = = 19211 74689 28384 ... 74702 88604 30145(?) = = 917 32 000 //4605 kHz    | MCW | (MPJ)         |
| <b>M01b</b> | 4605  | 1-3  | 1932 | Thu | 201 917 32 = = 19211 74689 28384 ... 74702 88604 30145(?) = = 917 32 000 //3510 kHz    | MCW | (MPJ)         |
| <b>M01b</b> | 3625  | 2-3  | 2002 | Fri | 153 917 32 = = 19211 74689 __384 ... 74702 88604 30135 = = 917 32 000 //4440 kHz       | MCW | (MPJ-S/HFD)   |
| <b>M01b</b> | 4440  | 2-3  | 2002 | Fri | 153 917 32 = = 19211 74689 __384 ... 74702 88604 30135 = = 917 32 000 //3625 kHz       | MCW | (MPJ-S)       |
| <b>M01b</b> | 3520  | 2-3  | 2110 | Fri | 582 917/32 = 19211 ... //4585                                                          | CW  | (HFD)         |
| <b>M01b</b> | 4585  | 2-3  | 2110 | Fri | 582 917/32 = 19211 ... //3520                                                          | CW  | (HFD)         |
| <b>M01b</b> | 3535  | 5-3  | 1910 | Mon | 420 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //4590 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 4590  | 5-3  | 1910 | Mon | 420 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //3535 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 3645  | 5-3  | 2015 | Mon | 771 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //4465 kHz       | MCW | (MPJ/HFD)     |
| <b>M01b</b> | 4465  | 5-3  | 2015 | Mon | 771 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //3645 kHz       | MCW | (MPJ/HFD)     |
| <b>M01b</b> | 3510  | 8-3  | 1932 | Thu | 201 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //4605 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 4605  | 8-3  | 1932 | Thu | 201 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //3510 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 3625  | 9-3  | 2002 | Fri | 157 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //4940 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 4940  | 9-3  | 2002 | Fri | 157 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //3625 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 3535  | 12-3 | 1910 | Mon | 420 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //4590 kHz       | MCW | (MPJ/HFD-POL) |
| <b>M01b</b> | 3645  | 12-3 | 1910 | Mon | 771 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000                  | MCW | (MPJ)         |
| <b>M01b</b> | 4590  | 12-3 | 1910 | Mon | 420 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //3535 kHz       | MCW | (MPJ/HFD-POL) |
| <b>M01b</b> | 3510  | 15-3 | 1932 | Thu | 201 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //4605 kHz       | MCW | (MPJ/HFD)     |
| <b>M01b</b> | 4605  | 15-3 | 1932 | Thu | 201 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //3510 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 3715  | 15-3 | 2042 | Thu | 477 917/32 = 19211 ...                                                                 | CW  | (HFD)         |
| <b>M01b</b> | 3625  | 16-3 | 2003 | Fri | 153 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //4940 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 4940  | 16-3 | 2003 | Fri | 153 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //3625 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 3535  | 19-3 | 1910 | Mon | 420 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000                  | MCW | (MPJ)         |
| <b>M01b</b> | 3645  | 19-3 | 2015 | Mon | 771 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000                  | MCW | (MPJ)         |
| <b>M01b</b> | 3510  | 22-3 | 1932 | Thu | 201 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //4605 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 4605  | 22-3 | 1932 | Thu | 201 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //3510 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 3625  | 23-3 | 2002 | Fri | 153 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //4940 kHz       | MCW | (MPJ)         |
| <b>M01b</b> | 4940  | 23-3 | 2002 | Fri | 153 917 32 = = 19211 74689 42838 ... 74702 88604 30135 = = 917 32 000 //3625 kHz       | MCW | (MPJ/MPJ)     |
| <b>M12</b>  | 12214 | 1-3  | 1310 | Thu | 282 282 282 1 9080 80 9080 80 56854 82345 77272 ... 68995 12038 63223 000 000          | CW  | (AB/MPJ)      |

|     |       |     |      |     |                                                                                     |    |              |
|-----|-------|-----|------|-----|-------------------------------------------------------------------------------------|----|--------------|
| M12 | 10814 | 1-3 | 1330 | Thu | 282 282 282 1 9080 80 9080 80 56854 82345 77272 ... 68995 12038 63223 000 000       | CW | (AB/MPJ)     |
| M12 | 9214  | 1-3 | 1350 | Thu | 282 282 282 1 9080 80 9080 80 56854 82345 77272 ... 68995 12038 63223 000 000       | CW | (AB/MPJ)     |
| M12 | 14377 | 1-3 | 1700 | Thu | 317 317 317 1 2896 109 2896 109 95437 48451 19345 ... 49338 65914 95439 000 000     | CW | (AB/MPJ/HFD) |
| M12 | 13461 | 1-3 | 1720 | Thu | 317 317 317 1 2896 109 2896 109 95437 48451 19345 ... 49338 65914 95439 000 000     | CW | (AB/MPJ/HFD) |
| M12 | 12114 | 1-3 | 1740 | Thu | 317 317 317 1 2896 109 2896 109 95437 48451 19345 ... 49338 65914 95439 000 000     | CW | (AB/MPJ/HFD) |
| M12 | 10172 | 2-3 | 2050 | Fri | 105 105 105 000                                                                     | CW | (HFD)        |
| M12 | 9072  | 2-3 | 2110 | Fri | 105 105 105 000                                                                     | CW | (HFD)        |
| M12 | 8158  | 3-3 | 0600 | Sat | 126 126 126 000                                                                     | CW | (AB)         |
| M12 | 9258  | 3-3 | 0620 | Sat | 126 126 126 000                                                                     | CW | (AB)         |
| M12 | 12214 | 3-3 | 1310 | Sat | 282 282 282 1 9080 80 9080 80 56854 82345 77272 ... 68995 12038 63223 000 000       | CW | (AB/MPJ/HFD) |
| M12 | 10814 | 3-3 | 1330 | Sat | 282 282 282 1 9080 80 9080 80 56854 82345 77272 ... 68995 12038 63223 000 000       | CW | (AB/MPJ/HFD) |
| M12 | 9214  | 3-3 | 1350 | Sat | 282 282 282 1 9080 80 9080 80 56854 82345 77272 ... 68995 12038 63223 000 000       | CW | (AB/MPJ/HFD) |
| M12 | 14769 | 4-3 | 1010 | Sun | 721 721 721 1 8997 51 8997 51 14229 44035 62574 ... 55179 18498 69875 67870 000 000 | CW | (AnEur/HFD)  |
| M12 | 16269 | 4-3 | 1030 | Sun | 721 721 721 1 8997 51 8997 51 14229 44035 62574 ... 55179 18498 69875 67870 000 000 | CW | (AnEur/HFD)  |
| M12 | 18169 | 4-3 | 1050 | Sun | 721 721 721 1 8997 51 8997 51 14229 44035 62574 ... 55179 18498 69875 67870 000 000 | CW | (AnEur/HFD)  |
| M12 | 11435 | 5-3 | 1910 | Mon | 938 938 938 1 3997 86 3997 86 65099 62281 11236 ... 89821 63700 94483 000 000       | CW | (AB/MPJ)     |
| M12 | 10598 | 5-3 | 1930 | Mon | 938 938 938 1 3997 86 3997 86 65099 62281 11236 ... 89821 63700 94483 000 000       | CW | (AB/MPJ)     |
| M12 | 9327  | 5-3 | 1950 | Mon | 938 938 938 1 3997 86 3997 86 65099 62281 11236 ... 89821 63700 94483 000 000       | CW | (AB/MPJ)     |
| M12 | 10343 | 5-3 | 2000 | Mon | 124 124 124 1 1346 101 1346 101 02144 35553 62144 ... 26761 98740 25374 000 000     | CW | (AB/MPJ/HFD) |
| M12 | 9264  | 5-3 | 2020 | Mon | 124 124 124 1 1346 101 1346 101 02144 35553 62144 ... 26761 98740 25374 000 000     | CW | (AB/MPJ/HFD) |
| M12 | 8116  | 5-3 | 2040 | Mon | 124 124 124 1 1346 101 1346 101 02144 35553 62144 ... 26761 98740 25374 000 000     | CW | (AB/MPJ/HFD) |
| M12 | 16276 | 7-3 | 1400 | Wed | 283 283 283 000                                                                     | CW | (AB/MPJ/HFD) |
| M12 | 14876 | 7-3 | 1420 | Wed | 283 283 283 000                                                                     | CW | (AB/MPJ/HFD) |
| M12 | 9176  | 7-3 | 1800 | Wed | 257 257 257 1 5107 142 5107 142 69332 86514 39431 ... 40068 95915 25288 000 000     | CW | (AB/MPJ)     |
| M12 | 7931  | 7-3 | 1820 | Wed | 257 257 257 1 5107 142 5107 142 69332 86514 39431 ... 40068 95915 25288 000 000     | CW | (AB/MPJ)     |
| M12 | 6904  | 7-3 | 1840 | Wed | 257 257 257 1 5107 142 5107 142 69332 86514 39431 ... 40068 95915 25288 000 000     | CW | (AB/MPJ)     |
| M12 | 8047  | 7-3 | 1900 | Wed | 463 463 463 1 8941 140 8941 140 19292 40900 68533 ... 36110 79546 69754 000 000     | CW | (AB/MPJ/HFD) |
| M12 | 6802  | 7-3 | 1920 | Wed | 463 463 463 1 8941 140 8941 140 19292 40900 68533 ... 36110 79546 69754 000 000     | CW | (AB/MPJ)     |
| M12 | 5788  | 7-3 | 1940 | Wed | 463 463 463 1 8941 140 8941 140 19292 40900 68533 ... 36110 79546 69754 000 000     | CW | (AB/MPJ)     |
| M12 | 10172 | 7-3 | 2050 | Wed | 105 105 105 000                                                                     | CW | (AB)         |
| M12 | 9072  | 7-3 | 2110 | Wed | 105 105 105 000                                                                     | CW | (AB)         |
| M12 | 5763  | 7-3 | 2200 | Wed | 714 714 714 1 6206 71 6206 71 49704 44742 98274 ... 99927 87460 77011 000 000       | CW | (AB)         |
| M12 | 5163  | 7-3 | 2220 | Wed | 714 714 714 1 6206 71 6206 71 49704 44742 98274 ... 99927 87460 77011 000 000       | CW | (AB)         |
| M12 | 4463  | 7-3 | 2240 | Wed | 714 714 714 1 6206 71 6206 71 49704 44742 98274 ... 99927 87460 77011 000 000       | CW | (AB)         |
| M12 | 14769 | 8-3 | 1010 | Thu | 721 721 721 000                                                                     | CW | (AB)         |
| M12 | 16269 | 8-3 | 1030 | Thu | 721 721 721 000                                                                     | CW | (AB/RL)      |
| M12 | 12214 | 8-3 | 1310 | Thu | 282 282 282 000                                                                     | CW | (AB)         |
| M12 | 10814 | 8-3 | 1330 | Thu | 282 282 282 000                                                                     | CW | (AB)         |
| M12 | 14377 | 8-3 | 1700 | Thu | 317 317 317 1 9910 107 9910 107 58102 02259 91994 ... 28650 00727 20106 000 000     | CW | (AB/MPJ)     |
| M12 | 13461 | 8-3 | 1720 | Thu | 317 317 317 1 9910 107 9910 107 58102 02259 91994 ... 28650 00727 20106 000 000     | CW | (AB/MPJ)     |

|     |       |      |      |     |                                                                                 |    |              |
|-----|-------|------|------|-----|---------------------------------------------------------------------------------|----|--------------|
| M12 | 12114 | 8-3  | 1740 | Thu | 317 317 317 1 9910 107 9910 107 58102 02259 91994 ... 28650 00727 20106 000 000 | CW | (AB/MPJ)     |
| M12 | 8158  | 10-3 | 0600 | Sat | 126 126 126 1 6206 71 6206 71 49704 44742 98274 ... 99927 87460 77011 000 000   | CW | (AB/HFD)     |
| M12 | 9258  | 10-3 | 0620 | Sat | 126 126 126 1 6206 71 6206 71 49704 44742 98274 ... 99927 87460 77011 000 000   | CW | (AB/HFD)     |
| M12 | 10658 | 10-3 | 0640 | Sat | 126 126 126 1 6206 71 6206 71 49704 44742 98274 ... 99927 87460 77011 000 000   | CW | (AB/HFD)     |
| M12 | 12214 | 10-3 | 1310 | Sat | 282 282 282 000                                                                 | CW | (AB/MPJ)     |
| M12 | 10814 | 10-3 | 1330 | Sat | 282 282 282 000                                                                 | CW | (AB/MPJ)     |
| M12 | 14769 | 11-3 | 1010 | Sun | 721 721 721 000                                                                 | CW | (AB)         |
| M12 | 16269 | 11-3 | 1030 | Sun | 721 721 721 000                                                                 | CW | (AB)         |
| M12 | 16276 | 12-3 | 1400 | Mon | 283 283 283 1 9233 143 9233 143 30226 06662 03405 ... 10761 67020 05457 000 000 | CW | (AB-RUS/MPJ) |
| M12 | 14876 | 12-3 | 1420 | Mon | 283 283 283 1 9233 143 9233 143 30226 06662 03405 ... 10761 67020 05457 000 000 | CW | (AB/MPJ)     |
| M12 | 13376 | 12-3 | 1440 | Mon | 283 283 283 1 9233 143 9233 143 30226 06662 03405 ... 10761 67020 05457 000 000 | CW | (AB/MPJ)     |
| M12 | 10343 | 12-3 | 2000 | Mon | 124 124 124 1 9394 106 9394 106 85883 43245 27384 ... 63611 53875 61300 000 000 | CW | (AB/MPJ)     |
| M12 | 9264  | 12-3 | 2020 | Mon | 124 124 124 1 9394 106 9394 106 85883 43245 27384 ... 63611 53875 61300 000 000 | CW | (AB/MPJ/HFD) |
| M12 | 8116  | 12-3 | 2040 | Mon | 124 124 124 1 9394 106 9394 106 85883 43245 27384 ... 63611 53875 61300 000 000 | CW | (AB)         |
| M12 | 16276 | 14-3 | 1400 | Wed | 283 283 283 1 9233 143 9233 143 30226 06662 03405 ... 10761 67020 05457 000 000 | CW | (AB/MPJ)     |
| M12 | 14876 | 14-3 | 1420 | Wed | 283 283 283 1 9233 143 9233 143 30226 06662 03405 ... 10761 67020 05457 000 000 | CW | (AB/MPJ)     |
| M12 | 13376 | 14-3 | 1440 | Wed | 283 283 283 1 9233 143 9233 143 30226 06662 03405 ... 10761 67020 05457 000 000 | CW | (AB/MPJ/MCO) |
| M12 | 9176  | 14-3 | 1800 | Wed | 257 1 9959 149 72214 39992 92653 ... 10425 45483 22933 000 000                  | CW | (MPJ)        |
| M12 | 7931  | 14-3 | 1820 | Wed | 257 1 9959 149 72214 39992 92653 ... 10425 45483 22933 000 000                  | CW | (MPJ)        |
| M12 | 6904  | 14-3 | 1840 | Wed | 257 1 9959 149 72214 39992 92653 ... 10425 45483 22933 000 000                  | CW | (MPJ)        |
| M12 | 8047  | 14-3 | 1900 | Wed | 463 1 8067 138 11977 41217 59589 ... 33715 70971 25022 000 000                  | CW | (MPJ)        |
| M12 | 6802  | 14-3 | 1920 | Wed | 463 1 8067 138 11977 41217 59589 ... 33715 70971 25022 000 000                  | CW | (MPJ/HFD)    |
| M12 | 5788  | 14-3 | 1940 | Wed | 463 1 8067 138 11977 41217 59589 ... 33715 70971 25022 000 000                  | CW | (MPJ/HFD)    |
| M12 | 5763  | 14-3 | 2200 | Wed | 714 714 714 000                                                                 | CW | (AB/RL)      |
| M12 | 5163  | 14-3 | 2220 | Wed | 714 714 714 000                                                                 | CW | (AB/RL)      |
| M12 | 14769 | 15-3 | 1010 | Thu | 721 721 721 1 8081 67 8081 67 33723 43257 33440 ... 49098 75984 06015 000 000   | CW | (AB/MPJ)     |
| M12 | 16269 | 15-3 | 1030 | Thu | 721 721 721 1 8081 67 8081 67 33723 43257 33440 ... 49098 75984 06015 000 000   | CW | (AB/RL/MPJ)  |
| M12 | 18169 | 15-3 | 1050 | Thu | 721 721 721 1 8081 67 8081 67 33723 43257 33440 ... 49098 75984 06015 000 000   | CW | (AB/MPJ)     |
| M12 | 12214 | 15-3 | 1310 | Thu | 282 282 282 1 9018 77 9018 77 12299 01789 77564 ... 21001 27960 27094 000 000   | CW | (AB)         |
| M12 | 10814 | 15-3 | 1330 | Thu | 282 282 282 1 9018 77 9018 77 12299 01789 77564 ... 21001 27960 27094 000 000   | CW | (AB)         |
| M12 | 9214  | 15-3 | 1350 | Thu | 282 282 282 1 9018 77 9018 77 12299 01789 77564 ... 21001 27960 27094 000 000   | CW | (AB)         |
| M12 | 14377 | 15-3 | 1700 | Thu | 317 317 317 1 8933 104 8933 104 27106 83657 21372 ... 06552 98356 85348 000 000 | CW | (AB/MPJ)     |
| M12 | 13461 | 15-3 | 1720 | Thu | 317 317 317 1 8933 104 8933 104 27106 83657 21372 ... 06552 98356 85348 000 000 | CW | (AB/MPJ)     |
| M12 | 12114 | 15-3 | 1740 | Thu | 317 317 317 1 8933 104 8933 104 27106 83657 21372 ... 06552 98356 85348 000 000 | CW | (AB/MPJ)     |
| M12 | 8116  | 15-3 | 1940 | Thu | 124 1                                                                           | CW | (HFD)        |
| M12 | 8158  | 17-3 | 0600 | Sat | 126 126 126 000                                                                 | CW | (AB)         |
| M12 | 9258  | 17-3 | 0620 | Sat | 126 126 126 000                                                                 | CW | (AB)         |
| M12 | 12214 | 17-3 | 1310 | Sat | 282 282 282 1 9018 77 9018 77 12299 01789 77564 ... 21001 27960 27094 000 000   | CW | (AB/MPJ/RL)  |
| M12 | 10814 | 17-3 | 1330 | Sat | 282 282 282 1 9018 77 9018 77 12299 01789 77564 ... 21001 27960 27094 000 000   | CW | (AB/MPJ)     |
| M12 | 9214  | 17-3 | 1350 | Sat | 282 282 282 1 9018 77 9018 77 12299 01789 77564 ... 21001 27960 27094 000 000   | CW | (AB/MPJ)     |

|     |       |      |      |     |                                                                                 |    |                  |
|-----|-------|------|------|-----|---------------------------------------------------------------------------------|----|------------------|
| M12 | 14769 | 18-3 | 1010 | Sun | 721 721 721 1 8081 67 8081 67 33723 43257 33440 ... 49098 75984 06015 000 000   | CW | (AB)             |
| M12 | 16269 | 18-3 | 1030 | Sun | 721 721 721 1 8081 67 8081 67 33723 43257 33440 ... 49098 75984 06015 000 000   | CW | (AB)             |
| M12 | 18169 | 18-3 | 1050 | Sun | 721 721 721 1 8081 67 8081 67 33723 43257 33440 ... 49098 75984 06015 000 000   | CW | (AB)             |
| M12 | 16276 | 19-3 | 1400 | Mon | 283 283 283 000                                                                 | CW | (AB-RUS/MPJ)     |
| M12 | 14876 | 19-3 | 1420 | Mon | 283 283 283 000                                                                 | CW | (AB/MPJ)         |
| M12 | 10343 | 19-3 | 2000 | Mon | 124 124 124 1 4374 106 4374 106 38409 62701 73030 ... 51140 09723 13502 000 000 | CW | (AB-RUS/MPJ/HFD) |
| M12 | 9264  | 19-3 | 2020 | Mon | 124 124 124 1 4374 106 4374 106 38409 62701 73030 ... 51140 09723 13502 000 000 | CW | (AB-RUS)         |
| M12 | 8116  | 19-3 | 2040 | Mon | 124 124 124 1 4374 106 4374 106 38409 62701 73030 ... 51140 09723 13502 000 000 | CW | (AB-RUS)         |
| M12 | 16276 | 21-3 | 1400 | Wed | 283 283 283 000                                                                 | CW | (AB/MPJ)         |
| M12 | 14876 | 21-3 | 1420 | Wed | 283 283 283 000                                                                 | CW | (AB/MPJ)         |
| M12 | 9176  | 21-3 | 1800 | Wed | 257 257 257 1 8764 143 8764 143 74582 26320 70548 ... 93137 09043 81388 000 000 | CW | (AB/MPJ/HFD)     |
| M12 | 7931  | 21-3 | 1820 | Wed | 257 257 257 1 8764 143 8764 143 74582 26320 70548 ... 93137 09043 81388 000 000 | CW | (AB/MPJ/HFD)     |
| M12 | 6904  | 21-3 | 1840 | Wed | 257 257 257 1 8764 143 8764 143 74582 26320 70548 ... 93137 09043 81388 000 000 | CW | (AB/MPJ/HFD)     |
| M12 | 8047  | 21-3 | 1900 | Wed | 463 463 463 1 3903 149 3903 149 61059 18259 03917 ... 72836 05674 83371 000 000 | CW | (AB/MPJ)         |
| M12 | 6802  | 21-3 | 1920 | Wed | 463 463 463 1 3903 149 3903 149 61059 18259 03917 ... 72836 05674 83371 000 000 | CW | (AB/MPJ)         |
| M12 | 5788  | 21-3 | 1940 | Wed | 463 463 463 1 3903 149 3903 149 61059 18259 03917 ... 72836 05674 83371 000 000 | CW | (AB/MPJ)         |
| M12 | 10172 | 21-3 | 2050 | Wed | 105 105 105 000                                                                 | CW | (AB/RL)          |
| M12 | 9072  | 21-3 | 2110 | Wed | 105 105 105 000                                                                 | CW | (AB)             |
| M12 | 5763  | 21-3 | 2200 | Wed | 714 714 714 1 116 87 116 87 63551 97491 57145 ... 20684 97269 50078 000 000     | CW | (AB)             |
| M12 | 5163  | 21-3 | 2220 | Wed | 714 714 714 1 116 87 116 87 63551 97491 57145 ... 20684 97269 50078 000 000     | CW | (AB)             |
| M12 | 4463  | 21-3 | 2240 | Wed | 714 714 714 1 116 87 116 87 63551 97491 57145 ... 20684 97269 50078 000 000     | CW | (AB)             |
| M12 | 14769 | 22-3 | 1010 | Thu | 721 721 721 000                                                                 | CW | (AB)             |
| M12 | 16269 | 22-3 | 1030 | Thu | 721 721 721 000                                                                 | CW | (AB)             |
| M12 | 12214 | 22-3 | 1310 | Thu | 282 282 282 000                                                                 | CW | (AB/RL/MPJ)      |
| M12 | 10814 | 22-3 | 1330 | Thu | 282 282 282 000                                                                 | CW | (AB/RL/MPJ)      |
| M12 | 14377 | 22-3 | 1700 | Thu | 317 317 317 1 1443 101 88309 08572 28352 ... 25649 22675 33462 000 000          | CW | (AB/MPJ)         |
| M12 | 13461 | 22-3 | 1720 | Thu | 317 317 317 1 1443 101 88309 08572 28352 ... 25649 22675 33462 000 000          | CW | (AB/MPJ)         |
| M12 | 12114 | 22-3 | 1740 | Thu | 317 317 317 1 1443 101 88309 08572 28352 ... 25649 22675 33462 000 000          | CW | (AB/MPJ)         |
| M12 | 10172 | 23-3 | 2050 | Fri | 105 105 105 000                                                                 | CW | (AB/RL)          |
| M12 | 9072  | 23-3 | 2110 | Fri | 105 105 105 000                                                                 | CW | (AB/RL)          |
| M12 | 8158  | 24-3 | 0600 | Sat | 126 126 126 1 116 87 116 87 63551 97491 57145 ... 20684 97269 50078 000 000     | CW | (AB)             |
| M12 | 9258  | 24-3 | 0620 | Sat | 126 126 126 1 116 87 116 87 63551 97491 57145 ... 20684 97269 50078 000 000     | CW | (AB)             |
| M12 | 10658 | 24-3 | 0640 | Sat | 126 126 126 1 116 87 116 87 63551 97491 57145 ... 20684 97269 50078 000 000     | CW | (AB)             |
| M12 | 12214 | 24-3 | 1310 | Sat | 282 282 282 000                                                                 | CW | (MPJ)            |
| M12 | 10814 | 24-3 | 1330 | Sat | 282 282 282 000                                                                 | CW | (MPJ)            |
| M12 | 14769 | 25-3 | 1010 | Sun | 721 721 721 000                                                                 | CW | (AB)             |
| M12 | 16269 | 25-3 | 1030 | Sun | 721 721 721 000                                                                 | CW | (AB)             |
| M12 | 16276 | 26-3 | 1400 | Mon | 283 283 283 1 150 129 150 129 42240 99207 97229 ... 83058 91155 68064 000 000   | CW | (AB-RUS)         |
| M12 | 14876 | 26-3 | 1420 | Mon | 283 283 283 1 150 129 150 129 42240 99207 97229 ... 83058 91155 68064 000 000   | CW | (AB-RUS)         |
| M12 | 13376 | 26-3 | 1440 | Mon | 283 283 283 1 150 129 150 129 42240 99207 97229 ... 83058 91155 68064 000 000   | CW | (AB-UKR/MPJ)     |



|            |       |      |      |     |                                                                                                             |     |                  |
|------------|-------|------|------|-----|-------------------------------------------------------------------------------------------------------------|-----|------------------|
| <b>M12</b> | 16276 | 28-3 | 1400 | Wed | 283 283 283 1 150 129 150 129 42240 99207 97229 ... 83058 91155 68064 000 000                               | CW  | (AB-RUS/MPJ-RUS) |
| <b>M12</b> | 14876 | 28-3 | 1420 | Wed | 283 283 283 1 150 129 150 129 42240 99207 97229 ... 83058 91155 68064 000 000                               | CW  | (AB-RUS/MPJ-RUS) |
| <b>M12</b> | 13376 | 28-3 | 1440 | Wed | 283 283 283 1 150 129 150 129 42240 99207 97229 ... 83058 91155 68064 000 000                               | CW  | (AB-RUS/MPJ-RUS) |
| <b>M12</b> | 5763  | 28-3 | 2200 | Wed | 714 714 714 000                                                                                             | CW  | (AB)             |
| <b>M12</b> | 5163  | 28-3 | 2220 | Wed | 714 714 714 000                                                                                             | CW  | (AB)             |
| <b>M12</b> | 14769 | 29-3 | 1010 | Thu | 721 721 721 1 455 97 455 97 79090 32340 89505 ... 25804 22395 16309 000 000                                 | CW  | (AB)             |
| <b>M12</b> | 16269 | 29-3 | 1030 | Thu | 721 721 721 1 455 97 455 97 79090 32340 89505 ... 25804 22395 16309 000 000                                 | CW  | (AB)             |
| <b>M12</b> | 18169 | 29-3 | 1050 | Thu | 721 721 721 1 455 97 455 97 79090 32340 89505 ... 25804 22395 16309 000 000                                 | CW  | (AB/MPJ-RUS)     |
| <b>M12</b> | 12214 | 29-3 | 1310 | Thu | 282 282 282 1 8634 91 8634 91 81414 20173 30307 ... 44237 89191 73864 000 000                               | CW  | (AB/MPJ)         |
| <b>M12</b> | 10814 | 29-3 | 1330 | Thu | 282 282 282 1 8634 91 8634 91 81414 20173 30307 ... 44237 89191 73864 000 000                               | CW  | (AB/MPJ)         |
| <b>M12</b> | 9214  | 29-3 | 1350 | Thu | 282 282 282 1 8634 91 8634 91 81414 20173 30307 ... 44237 89191 73864 000 000                               | CW  | (AB/MPJ)         |
| <b>M12</b> | 14377 | 29-3 | 1700 | Thu | 317 317 317 1 4867 105 4867 105 23043 21888 28072 ... 07216 88131 85664 000 000                             | CW  | (AB/MPJ)         |
| <b>M12</b> | 13461 | 29-3 | 1720 | Thu | 317 317 317 1 4867 105 4867 105 23043 21888 28072 ... 07216 88131 85664 000 000                             | CW  | (AB/MPJ)         |
| <b>M12</b> | 12114 | 29-3 | 1740 | Thu | 317 317 317 1 4867 105 4867 105 23043 21888 28072 ... 07216 88131 85664 000 000                             | CW  | (AB/MPJ)         |
| <b>M12</b> | 10172 | 30-3 | 2050 | Fri | 105 105 105 000                                                                                             | CW  | (AB)             |
| <b>M12</b> | 9072  | 30-3 | 2110 | Fri | 105 105 105 000                                                                                             | CW  | (AB)             |
| <b>M12</b> | 8158  | 31-3 | 0600 | Sat | 126 126 126 000                                                                                             | CW  | (AB)             |
| <b>M12</b> | 9258  | 31-3 | 0620 | Sat | 126 126 126 000                                                                                             | CW  | (AB)             |
| <b>M12</b> | 12214 | 31-3 | 1310 | Sat | 282 282 282 1 8634 91 8634 91 81414 20173 30307 ... 44237 89191 73864 000 000                               | CW  | (AB/MPJ)         |
| <b>M12</b> | 10814 | 31-3 | 1330 | Sat | 282 282 282 1 8634 91 8634 91 81414 20173 30307 ... 44237 89191 73864 000 000                               | CW  | (AB/FT/MPJ)      |
| <b>M12</b> | 9214  | 31-3 | 1350 | Sat | 282 282 282 1 8634 91 8634 91 81414 20173 30307 ... 44237 89191 73864 000 000                               | CW  | (AB/FT/MPJ)      |
| <b>M14</b> | 5944  | 2-3  | 1656 | Fri | Several tests between 1656 and 1658z. Heavy QRM from broadcasting stations. Switched to 5930 kHz            | MCW | (AB)             |
| <b>M14</b> | 5930  | 2-3  | 1700 | Fri | 382 382 382 00000                                                                                           | MCW | (A/HFDB)         |
| <b>M14</b> | 5477  | 2-3  | 1715 | Fri | Test: 007 3960 26284 45 124572 07 1A W1 08126 53710 19446 21279 53                                          | MCW | (AB)             |
| <b>M14</b> | 5477  | 2-3  | 1748 | Fri | Test: 2000 267                                                                                              | MCW | (AB)             |
| <b>M14</b> | 5477  | 2-3  | 1800 | Fri | 382 382 382 00000                                                                                           | MCW | (AB/MPJ/HFD)     |
| <b>M14</b> | 18041 | 6-3  | 0500 | Thu | 952 163 163 50 50 = = 98229 08234 86039 ... 27045 02773 27624 = = 163 163 50 50 00000                       | CW  | (EW)             |
| <b>M14</b> | 17458 | 10-3 | 0930 | Sat | 617 617 617 00000                                                                                           | CW  | (AB-RUS/HFD)     |
| <b>M14</b> | 6824  | 11-3 | 0600 | Sun | 382 382 382 00000                                                                                           | MCW | (AB)             |
| <b>M14</b> | 6990  | 11-3 | 0650 | Sun | Tests. At 0650z: 1906 9842 037. At 0656z: 53802                                                             | MCW | (AB)             |
| <b>M14</b> | 6990  | 11-3 | 0700 | Sun | 382 382 382 00000                                                                                           | MCW | (AB)             |
| <b>M14</b> | 18041 | 12-3 | 0500 | Mon | 952 431 431 50 50 = = 54181 87543 59237 ... 23060 14445 75678 = = 431 431 50 50 00000                       | CW  | (AB-CHN)         |
| <b>M14</b> | 18041 | 13-3 | 0500 | Thu | 952 760 760 50 50 = = 44839 55771 81691 ... 42279 88980 26894 = = 760 760 50 50 00000                       | CW  | (AB-KOR)         |
| <b>M14</b> | 5946  | 13-3 | 1820 | Thu | 346 354 354 42 42 46626 42621 42179 ... 45567 46521 79541 354 354 42 42 00000                               | MCW | (AB)             |
| <b>M14</b> | 5463  | 14-3 | 1920 | Wed | 537 273 55 = = 74653 26354 93746 ... 52132 48736 91023 = = 273 55 00000                                     | MCW | (MPJ/HFD)        |
| <b>M14</b> | 18041 | 16-3 | 0500 | Fri | 952 840 840 60 60 = = 91084 84059 85346 ... 21609 55888 32172 = = 840 840 60 60 00000                       | CW  | (AB-KOR)         |
| <b>M14</b> | 5946  | 16-3 | 1700 | Fri | 382 382 382 00000                                                                                           | MCW | (AB/MPJ)         |
| <b>M14</b> | 5477  | 16-3 | 1737 | Fri | Tests at 1737z: 54261 41338 74957 54897 65411 5187. At 1739z: I6 04276 64354 25694 78804 61809. At 1756z: 1 | MCW | (AB)             |

|             |        |      |      |     |                                                                                                                                 |     |                  |
|-------------|--------|------|------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|------------------|
| <b>M14</b>  | 5477   | 16-3 | 1800 | Fri | 382 382 382 00000                                                                                                               | MCW | (AB/MPJ)         |
| <b>M14</b>  | 18041  | 19-3 | 0500 | Mon | 952 316 316 50 50 = = 36054 82852 21254 ... 60433 32519 77922 = = 316 316 50 50 00000                                           | CW  | (AB-KOR/HFD-J))  |
| <b>M14</b>  | 18041  | 20-3 | 0500 | Thu | 952 740 740 55 55 = = 96207 78527 17794 ... 16072 45320 13620 = = 740 740 55 55 00000                                           | CW  | (AB-KOR)         |
| <b>M14</b>  | 8096   | 20-3 | 0550 | Thu | 736 707 707 23 23 34256 76845 89056 ... 56564 89043 77277 707 707 23 23 00000                                                   | CW  | (Benka)          |
| <b>M14</b>  | 5740   | 20-3 | 1600 | Thu | 725 725 725 00000                                                                                                               | MCW | (AB/HFD)         |
| <b>M14</b>  | 18041  | 23-3 | 0500 | Fri | 952 860 860 50 50 = = 62838 71875 44401 ... 08492 22055 54838 = = 860 860 50 50 00000                                           | CW  | (AB-KOR)         |
| <b>M14</b>  | 6824   | 25-3 | 0600 | Sun | 382 382 382 00000                                                                                                               | MCW | (AB)             |
| <b>M14</b>  | 6824   | 25-3 | 0608 | Sun | Test: 952 14264 85010 71620 17186 69638 69357 21394 20841 73877 39375                                                           | MCW | (AB)             |
| <b>M14</b>  | 6990   | 25-3 | 0700 | Sun | 382 382 382 00000                                                                                                               | MCW | (AB)             |
| <b>M14</b>  | 17458  | 25-3 | 0930 | Sun | 617 234 234 105 105 = = 42817 80276 45500 ... 13234 43876 87874 = = 234 234 105 105 00000                                       | CW  | (AB-RUS)         |
| <b>M14</b>  | 18041  | 26-3 | 0500 | Mon | 952 731 731 55 55 = = 94761 31410 68937 ... 41321 53170 27526 = = 731 731 55 55 00000                                           | CW  | (AB-KOR)         |
| <b>M14</b>  | 18041  | 27-3 | 0500 | Thu | 952 ... Unreadable; during the callup another station came up on the same freq                                                  | CW  | (AB-KOR/HFD-CHN) |
| <b>M14</b>  | 5939   | 27-3 | 1820 | Thu | 346 613 82 82 76251 82420 63321 ... 62091 76351 82240 613 613 82 82 00000                                                       | MCW | (AB/MPJ/HFD)     |
| <b>M14</b>  | 5463   | 28-3 | 1820 | Wed | 537 518 518 86 86 32498 53900 12865 ... 20943 57286 61220 518 518 86 86 00000                                                   | MCW | (AB/MPJ)         |
| <b>M14</b>  | 18041  | 29-3 | 0500 | Thu | 952 474 474 60 60 = = 31857 60379 48927 ... 66435 57813 70381 = = 474 474 60 60 00000                                           | CW  | (AB-KOR)         |
| <b>M14</b>  | 18041  | 30-3 | 0500 | Fri | 952 810 810 50 50 = = 49617 27620 71838 ... 93139 99919 22984 = = 810 810 50 50 00000                                           | CW  | (AB-KOR)         |
| <b>M21</b>  | 3996   | 6-3  | 1518 | Thu | Russian Air Defense =99?1817?9???? =99?1819?9???? =99?1821?9????                                                                | CW  | (JPL-J)          |
| <b>M21</b>  | 4391   | 6-3  | 2307 | Thu | Russian Air Defense =990207?0???? =990208?0???? =990209?0????                                                                   | CW  | (AnEur)          |
| <b>M21</b>  | 5020.5 | 7-3  | 1753 | Wed | Russian Air Defense =992053?8????                                                                                               | CW  | (AB)             |
| <b>M21</b>  | 5020.5 | 21-3 | 1700 | Wed | Russian Air Defense =992000?8???? =992001?8????                                                                                 | CW  | (MPJ)            |
| <b>M21</b>  | 5020.5 | 21-3 | 2134 | Wed | Russian Air Defense =990034?8???? =990035?8???? =990036?8????                                                                   | CW  | (AB)             |
| <b>M21</b>  | 5020.5 | 27-3 | 1949 | Thu | Russian Air Defense =992249?0???? =992250?0???? =992251?0????                                                                   | CW  | (AB)             |
| <b>M22</b>  | 4331   | 11-3 | 2002 | Sun | 4XZ message                                                                                                                     | CW  | (EB-D)           |
| <b>M32</b>  | 8512   | 3-3  | 0840 | Sat | i.p. PRDG PRDG PRDG QTC AR PRDG PRDG RPT AL PRDG PRDG 002 23 3 1119 002 = 867 = 11111 19215 18108 64338 ... 93749 49457 03021 K | CW  | (AB)             |
| <b>M32</b>  | 13042  | 3-3  | 1341 | Sat | i.p. MQF7 MQF7 MQF7 DE N9LN N9LN K. 2ZFD 2ZFD 2ZFD DE N9LN N9LN K                                                               | CW  | (AB)             |
| <b>M32</b>  | 13371  | 10-3 | 1257 | Sat | QSV K. 3R5I DE Q96F K. LWSG DE Q96F K. VVVVVVVVVVVVVVVVVVVV K                                                                   | CW  | (AB)             |
| <b>M32</b>  | 9968   | 13-3 | 0705 | Thu | i.p. 38071 13025 K. BXQ3 PFP4 ZPG ZZB ZIC QYT 4 K. BXQ3 DE PFP4 ZPG ZZB ZIC QYT 4 K. RK                                         | CW  | (AB)             |
| <b>M32</b>  | 13443  | 14-3 | 1100 | Wed | XXX XXX 6S8F 6S8F 01670 BOKSOSTER 8357 9521 XXX XXX 6S8F 6S8F 25876 GEKSOGEN 7017 7638 ZDOROWEJShIJ 9228 3361                   | CW  | (AB)             |
| <b>M32</b>  | 7729   | 27-3 | 1200 | Thu | QRWW DE GM3R ZFG QRWW DE GM3R GM3R ZFG ZWL QLL QYT6 GM3R RK                                                                     | CW  | (AB)             |
| <b>M32</b>  | 11465  | 28-3 | 0911 | Wed | WEGI: XXX 38419 07097 67119 FLEROCHLIC 8152 7495                                                                                | CW  | (AnEur)          |
| <b>M32</b>  | 10163  | 28-3 | 0919 | Wed | RDL: XXX 38419 07097 67119 FLEROCHLIC 8152 7495                                                                                 | CW  | (AnEur)          |
| <b>M32</b>  | 10163  | 28-3 | 0926 | Wed | RDL: XXX 74888 43934 K                                                                                                          | CW  | (AnEur)          |
| <b>M32</b>  | 10163  | 28-3 | 0934 | Wed | 2V8I: XXX 08002 025515 PLESOPUK 9381 0144 K                                                                                     | CW  | (AnEur)          |
| <b>M32</b>  | 10163  | 28-3 | 0940 | Wed | RDL: XXX 38465 09908 K                                                                                                          | CW  | (AnEur)          |
| <b>M32</b>  | 10163  | 28-3 | 0948 | Wed | RDL: XXX 74968 09762 K                                                                                                          | CW  | (AnEur)          |
| <b>M32</b>  | 13366  | 28-3 | 0958 | Wed | P3BO DE LGJ3 K. LGJ3 RK PFX2 R 947 K. 6NLK R                                                                                    | CW  | (AB)             |
| <b>M32a</b> | 8737   | 14-3 | 1050 | Wed | REO REO REO DE RMP RMP QTC 115 13 14 1330 115 =                                                                                 | CW  | (AB)             |

|      |       |      |      |     |                                                                                                    |             |           |
|------|-------|------|------|-----|----------------------------------------------------------------------------------------------------|-------------|-----------|
| M32a | 4810  | 17-3 | 0842 | Sat | xxx xxx rmu51 rmu51 93346 menia 0466 0082 k                                                        | CW          | (WP3)     |
| M32a | 4810  | 17-3 | 0855 | Sat | xxx xxx rmu51 rmu51 37873 wosmiletka 7053 0512 k                                                   | CW          | (WP3)     |
| M32a | 4810  | 17-3 | 0904 | Sat | xxx xxx rmu51 rmu51 83951 baskogak 4799 1894 k                                                     | CW          | (WP3)     |
| M32a | 8417  | 17-3 | 0916 | Sat | xxxx xxx reo reo 78481 gazoswetnyj 1560 7778 k                                                     | CW          | (WP3)     |
| M32a | 4810  | 17-3 | 0918 | Sat | 0920 xxx xxx rmu51 rmu51 78481 gazoswetnyj 1560 9778 k                                             | CW          | (WP3)     |
| M32a | 8417  | 17-3 | 0925 | Sat | xxx xxx rjd69 rjd69 rdo91 rdo91 rju58 rju58 57607 zawitok 0651 8872 k                              | CW          | (WP3)     |
| M32a | 4810  | 17-3 | 0928 | Sat | xxx xxx rmu51 rmu51 57607 zawitok 0165 8872 k                                                      | CW          | (WP3)     |
| M32a | 4810  | 17-3 | 0933 | Sat | xxx xxx rmu51 rmu51 14324 grogogun 3951 5164 k                                                     | CW          | (WP3)     |
| M32a | 8417  | 17-3 | 0933 | Sat | xxx xxx rjd69 rjd69 rju58 rju58 rec5 rec5 02342 erCHosejm 6692 5400 k                              | CW          | (WP3)     |
| M32a | 8417  | 17-3 | 0935 | Sat | xxx xxx reo reo 47255 gemodrok 1681 7933 k                                                         | CW          | (WP3)     |
| M32a | 4810  | 17-3 | 0938 | Sat | xxx xxx rmu51 rmu51 02342 erCHosejm 6692 5400 k                                                    | CW          | (WP3)     |
| M32a | 8417  | 17-3 | 0940 | Sat | xxx xxx rjd69 rjd69 rju58 rju58 06157 kratol <sup>3</sup> ft 9953 2233 k                           | CW          | (WP3)     |
| M32a | 4810  | 17-3 | 0942 | Sat | xxx xxx rmu51 rmu51 472 bk bk as as (same time new xxx from rmp/8417, he seems to copy that)       | CW          | (WP3)     |
| M32a | 8417  | 17-3 | 0943 | Sat | xxx xxx rcd95 rcd95 27181 kineCHma 9475 6776 k                                                     | CW          | (WP3)     |
| M32a | 4810  | 17-3 | 0944 | Sat | xxx xxx rmu51 rmu51 47255 gem <sup>3</sup> drok 51681 7933 k                                       | CW          | (WP3)     |
| M32a | 8417  | 17-3 | 0946 | Sat | xxx xxx reo reo 73252 gurtodon 8923 0396 k 17-Mar-18 (wp3)                                         | CW          | (WP3)     |
| M32a | 4810  | 17-3 | 0949 | Sat | xxx xxx rmu51 rmu51 73252 gurtodon 8923 0396 k                                                     | CW          | (WP3)     |
| M32a | 4810  | 17-3 | 0954 | Sat | xxx xxx rmu51 rmu51 06157 kratol <sup>3</sup> ft 9953 2233 k                                       | CW          | (WP3)     |
| M32a | 4810  | 17-3 | 0957 | Sat | xxx xxx rmu51 rmu51 27181 kineCHma 9475 6776 k 17-Mar-18 (wp3)                                     | CW          | (WP3)     |
| M32a | 6465  | 27-3 | 1540 | Thu | VVV RCRE RCRE RCRE DE RJC66 RJC66 ZZD? K. RJC66 RJC66 RJC66 DE RCRE RCRE ZZD 4 K                   | CW          | (AB)      |
| M32b | 8816  | 16-3 | 0923 | Fri | RCY7 DE 09895 QTC K. 09895 DE RCY7 QSA 2 QRV K. 09895 QTR 0925 QAL NMH PP QBD<br>0330 RPT AL K     | CW          | (JPL-KOR) |
| M42  | 8126  | 3-3  | 1444 | Sat | Russian diplo/intel. i.p.                                                                          | MFSK-66     | (AB)      |
| M42  | 16103 | 8-3  | 1535 | Thu | Russian diplo/intel clg UDM                                                                        | CW          | (MCO)     |
| M42  | 9360  | 14-3 | 0846 | Wed | Russian diplo/intel. i.p.                                                                          | MFSK-16     | (AB)      |
| M42  | 9350  | 14-3 | 0850 | Wed | Russian diplo/intel.                                                                               | MFSK-16     | (AB)      |
| M42  | 13538 | 14-3 | 1010 | Wed | Russian diplo/intel. Message                                                                       | FSK 100/500 | (EW)      |
| M51a | 6825  | 3-3  | 1554 | Sat | FaviPres/Vernon Mixed 5LG/FGs ... JKQCV 25617 XVCHD ...                                            | CW          | (MPJ)     |
| M51a | 3880  | 5-3  | 1659 | Mon | French Morse Practice 1659 CW Mixed: XLPKO W.,?/ ZCXSA ...                                         | CW          | (MPJ)     |
| M89  | 9131  | 2-3  | 0925 | Fri | V UISD (x3) DE CBFG (X2)                                                                           | CW          | (JPL)     |
| M89  | 6874  | 2-3  | 0928 | Fri | V M8JF (x3) DE RIS9 (x2) //8157                                                                    | CW          | (JPL)     |
| M89  | 8157  | 2-3  | 0928 | Fri | V M8JF (x3) DE RIS9 (x2) //6874                                                                    | CW          | (JPL)     |
| M89  | 3238  | 2-3  | 0934 | Fri | V M8JF (x3) DE RIS9 (x2) //6874 and 4870                                                           | CW          | (JPL)     |
| M89  | 4870  | 2-3  | 0934 | Fri | V M8JF (x3) DE RIS9 (x2) //6874 and 3238                                                           | CW          | (JPL)     |
| M89  | 6874  | 2-3  | 0934 | Fri | V M8JF (x3) DE RIS9 (x2) //4870 and 3238                                                           | CW          | (JPL)     |
| M89  | 5743  | 2-3  | 0948 | Fri | V UISD (x3) DE CBFG (X2) //9131                                                                    | CW          | (JPL)     |
| M89  | 9131  | 2-3  | 0948 | Fri | V UISD (x3) DE CBFG (X2) //5743                                                                    | CW          | (JPL)     |
| M89  | 5370  | 2-3  | 0954 | Fri | i.p. /0990/0..8/3280/08.. = 0868/.168/0998/0978/.0668 TO 0828. K = 735A 7D64 76T5 3AN5<br>D476 ... | CW          | (JPL)     |



|     |       |      |      |     |                                                                                                                              |    |           |
|-----|-------|------|------|-----|------------------------------------------------------------------------------------------------------------------------------|----|-----------|
| M89 | 5835  | 5-3  | 1058 | Mon | V QW2A (x3) DE G5VD (x2) //10589 sending different round slip                                                                | CW | (JPL)     |
| M89 | 10589 | 5-3  | 1058 | Mon | V WE3V (x3) DE CF5T (x2) //5835 sending different round slip                                                                 | CW | (JPL)     |
| M89 | 4326  | 5-3  | 1100 | Mon | V QW2A (x3) DE G5VD (x2)                                                                                                     | CW | (JPL)     |
| M89 | 3238  | 5-3  | 1103 | Mon | V M8JF (x3) DE RIS9 (x2) //4870                                                                                              | CW | (JPL)     |
| M89 | 4870  | 5-3  | 1103 | Mon | V M8JF (x3) DE RIS9 (x2) //3832                                                                                              | CW | (JPL)     |
| M89 | 4120  | 5-3  | 1105 | Mon | i.p. NMKS = = C233 TO B799 AR K K C R GA K NR F = = ACF5/.RBC AR K K                                                         | CW | (JPL)     |
| M89 | 5511  | 5-3  | 1125 | Mon | i.p.                                                                                                                         | CW | (JPL)     |
| M89 | 4125  | 5-3  | 1958 | Mon | V UISD (x3) DE CBFG (X2)                                                                                                     | CW | (JPL)     |
| M89 | 4326  | 5-3  | 2002 | Mon | V QW2A (x3) DE G5VD (x2) //4904 sending different round slip sending                                                         | CW | (JPL)     |
| M89 | 4904  | 5-3  | 2002 | Mon | V GW2A (x3) DE G5VD (x2) //4904 sending different round slip. Sending GW2A vice QW2A                                         | CW | (JPL)     |
| M89 | 5202  | 6-3  | 0931 | Thu | SUI9 (x3) de 8RQD (x2) V CL DE 9TUE QSA 2 QSA ? K                                                                            | CW | (F5JBR-J) |
| M89 | 4131  | 6-3  | 1404 | Tue | V JKDJ (x3) DE SLBC (x2)                                                                                                     | CW | (JPL)     |
| M89 | 3238  | 6-3  | 1408 | Tue | V M8JF (x3) DE RIS9 (x2) //4870                                                                                              | CW | (JPL)     |
| M89 | 4870  | 6-3  | 1408 | Tue | V M8JF (x3) DE RIS9 (x2) //3238                                                                                              | CW | (JPL)     |
| M89 | 4125  | 6-3  | 1411 | Tue | V UISD (x3) DE CBFG (X2)                                                                                                     | CW | (JPL)     |
| M89 | 4326  | 6-3  | 1412 | Tue | V QW2A (x3) DE G5VD (x2) //4904                                                                                              | CW | (JPL)     |
| M89 | 4904  | 6-3  | 1412 | Tue | V QW2A (x3) DE G5VD (x2) //4326                                                                                              | CW | (JPL)     |
| M89 | 10589 | 7-3  | 0856 | Wed | V QW2A (x3) DE G5VD (x2)                                                                                                     | CW | (JPL)     |
| M89 | 8157  | 7-3  | 0859 | Wed | V M8JF (x3) DE RIS9 (x2)                                                                                                     | CW | (JPL)     |
| M89 | 3238  | 7-3  | 0938 | Wed | V M8JF (x3) DE RIS9 (x2) //4870                                                                                              | CW | (JPL)     |
| M89 | 4870  | 7-3  | 0938 | Wed | V M8JF DE RIS9 MSG NR 0307 CK 97 40 0307 1740 RMKS 6545 TO 1033 6805 5905 = 7365<br>4AT3 ANDT T76U T544 T4TA 7537 ... //3238 | CW | (JPL)     |
| M89 | 3238  | 9-3  | 1802 | Fri | V M8JF (x3) DE RIS9 (x2) //4870                                                                                              | CW | (JPL)     |
| M89 | 4870  | 9-3  | 1802 | Fri | V M8JF (x3) DE RIS9 (x2) //3238                                                                                              | CW | (JPL)     |
| M89 | 4131  | 9-3  | 1805 | Fri | V JKDJ (x3) DE SLBC (x2)                                                                                                     | CW | (JPL)     |
| M89 | 4326  | 9-3  | 1806 | Fri | V QW2A (x3) DE G5VD (x2) //4904                                                                                              | CW | (JPL)     |
| M89 | 4904  | 9-3  | 1806 | Fri | V QW2A (x3) DE G5VD (x2) //4326                                                                                              | CW | (JPL)     |
| M89 | 4125  | 9-3  | 1811 | Fri | V UISD (x3) DE CBFG (X2)                                                                                                     | CW | (JPL)     |
| M89 | 6840  | 10-3 | 0820 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640                                                                      | CW | (JPL)     |
| M89 | 10640 | 10-3 | 0820 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840                                                                       | CW | (JPL)     |
| M89 | 6874  | 10-3 | 0822 | Sat | V M8JF (x3) DE RIS9 (x2) //8157                                                                                              | CW | (JPL)     |
| M89 | 8157  | 10-3 | 0822 | Sat | V M8JF (x3) DE RIS9 (x2) //6874                                                                                              | CW | (JPL)     |
| M89 | 3238  | 12-3 | 1517 | Mon | V M8JF (x3) DE RIS9 (x2) //4870                                                                                              | CW | (JPL)     |
| M89 | 4870  | 12-3 | 1517 | Mon | V M8JF (x3) DE RIS9 (x2) //3238                                                                                              | CW | (JPL)     |
| M89 | 3494  | 12-3 | 1519 | Mon | i.p. R QSL 2319 SO R QSL 2319 SK K GB                                                                                        | CW | (JPL)     |
| M89 | 4326  | 12-3 | 1534 | Mon | V FT6V (x3) DE SE4R (x2) //4904 sending different round slip                                                                 | CW | (JPL)     |
| M89 | 4904  | 12-3 | 1534 | Mon | V QW2A (x3) DE G5VD (x2) //4326 sending different round slip                                                                 | CW | (JPL)     |
| M89 | 6864  | 13-3 | 0716 | Tue | i.p. RMKS CQ = AKS4/M5N AR NR 1001/EX 1513 RMKS CQ = AKS4/M5N AR                                                             | CW | (JPL)     |
| M89 | 6866  | 13-3 | 0726 | Tue | i.p. 6A67 D3U3 D5D5 7TD3 U6U6 ...                                                                                            | CW | (JPL)     |
| M89 | 6782  | 13-3 | 0727 | Tue | i.p. ALL CY MSG NR 1306 CK 25 15 0313 1527 = 5NU4 57T3 6NA7 54NU 735T 7UAD 43DT ...                                          | CW | (JPL)     |

|     |       |      |      |     |                                                                                            |    |       |
|-----|-------|------|------|-----|--------------------------------------------------------------------------------------------|----|-------|
| M89 | 10589 | 13-3 | 0746 | Tue | V QW2A (x3) DE G5VD (x2)                                                                   | CW | (JPL) |
| M89 | 6580  | 13-3 | 0749 | Tue | i.p. CF/BD AR RPT K. OK OK GA OK P55. K R MSG GA NR NR 548/EX CK 99 0503 13 EEEEE<br>1552K | CW | (JPL) |
| M89 | 5835  | 13-3 | 0758 | Tue | V FT6V (x3) DE SE4R (x2) //10859                                                           | CW | (JPL) |
| M89 | 10589 | 13-3 | 0758 | Tue | V QW2A (x3) DE G5VD (x2) //5835 sending different round slip                               | CW | (JPL) |
| M89 | 6874  | 13-3 | 0803 | Tue | V M8JF (x3) DE RIS9 (x2) //8157                                                            | CW | (JPL) |
| M89 | 8157  | 13-3 | 0803 | Tue | V M8JF (x3) DE RIS9 (x2) //6874                                                            | CW | (JPL) |
| M89 | 3238  | 15-3 | 1508 | Thu | V M8JF (x3) DE RIS9 (x2) //4870                                                            | CW | (JPL) |
| M89 | 4870  | 15-3 | 1508 | Thu | V M8JF (x3) DE RIS9 (x2) //3238                                                            | CW | (JPL) |
| M89 | 4326  | 15-3 | 1515 | Thu | V FT6V (x3) DE SE4R (x2) //4904 sending different round slip                               | CW | (JPL) |
| M89 | 4904  | 15-3 | 1515 | Thu | V WE3S (x3) DE CF5T (x2) //4326 sending different round slip                               | CW | (JPL) |
| M89 | 4860  | 15-3 | 1520 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840                                     | CW | (JPL) |
| M89 | 6840  | 15-3 | 1520 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860                                     | CW | (JPL) |
| M89 | 3238  | 16-3 | 0857 | Fri | V M8JF (x3) DE RIS9 (x2) //4870 / 6874 / 8157                                              | CW | (JPL) |
| M89 | 4870  | 16-3 | 0857 | Fri | V M8JF (x3) DE RIS9 (x2) //3238 / 6874 / 8157                                              | CW | (JPL) |
| M89 | 6874  | 16-3 | 0857 | Fri | V M8JF (x3) DE RIS9 (x2) //3238 / 4870 / 8157                                              | CW | (JPL) |
| M89 | 8157  | 16-3 | 0857 | Fri | V M8JF (x3) DE RIS9 (x2) //3238 / 4870 / 6874                                              | CW | (JPL) |
| M89 | 5835  | 16-3 | 0902 | Fri | V FT6V (x3) DE SE4R (x2) //10589 sending different round slip                              | CW | (JPL) |
| M89 | 10589 | 16-3 | 0902 | Fri | V WE3S (x3) DE CF5T (x2) //5835 sending different round slip                               | CW | (JPL) |
| M89 | 10250 | 16-3 | 0910 | Fri | i.p. 53NU 5T7D T5D6 TU57 ... AR AR K K. = = 4T4TB 75 DP 3U77 UAK 73NTU 5U5 (Cont'd)        | CW | (JPL) |
| M89 | 4326  | 16-3 | 1404 | Fri | V FT6V (x3) DE SE4R (x2)                                                                   | CW | (JPL) |
| M89 | 3223  | 16-3 | 1951 | Fri | i.p. D44T 7A43 DNU5 75UT 7547 ... AR K. R = NDN5 AR K. R = DNU5 AR K. R U 7G GA K          | CW | (JPL) |
| M89 | 3875  | 16-3 | 1958 | Fri | i.p. 43U3 T4NA 6UTD ...                                                                    | CW | (JPL) |
| M89 | 3238  | 18-3 | 1453 | Sun | V M8JF (x3) DE RIS9 (x2) //4870                                                            | CW | (JPL) |
| M89 | 4870  | 18-3 | 1453 | Sun | V M8JF (x3) DE RIS9 (x2) //3238                                                            | CW | (JPL) |
| M89 | 4326  | 18-3 | 1456 | Sun | SE4R i.p. NR 072 CK 479 63 0318 .... = UU5N ... //4904                                     | CW | (JPL) |
| M89 | 3238  | 20-3 | 1049 | Tue | V M8JF (x3) DE RIS9 (x2) //4870                                                            | CW | (JPL) |
| M89 | 4870  | 20-3 | 1049 | Tue | V M8JF (x3) DE RIS9 (x2) //3238                                                            | CW | (JPL) |
| M89 | 4904  | 20-3 | 1100 | Tue | V WE3S (x3) DE CF5T (x2)                                                                   | CW | (JPL) |
| M89 | 10589 | 20-3 | 1100 | Tue | V WE3S (x3) DE CF5T (x2)                                                                   | CW | (JPL) |
| M89 | 4111  | 20-3 | 1127 | Tue | i.p. R HR F GA RHR MSG GA K. R 1P = 5N67 D7T6 4N3T N7T6 76DT U3T5 6534 ...                 | CW | (JPL) |
| M89 | 8157  | 29-3 | 0845 | Thu | V M8JF M8JF M8JF de RIS9 RIS9" 319-419 report.                                             | CW | (LG3) |
| M89 | 6874  | 29-3 | 1013 | Thu | V M8JF M8JF M8JF de RIS9 RIS9" 539 report.                                                 | CW | (LG3) |
| M89 | 4870  | 29-3 | 1554 | Thu | V M8JF M8JF M8JF de RIS9 RIS9" 559 report.                                                 | CW | (LG3) |
| M89 | 3328  | 29-3 | 1723 | Thu | V M8JF M8JF M8JF de RIS9 RIS9                                                              | CW | (LG3) |
| M89 | 4326  | 29-3 | 1723 | Thu | V QW2A QW2A QW2A de G5VD G5VD" 539 report.                                                 | CW | (LG3) |
| M89 | 4904  | 29-3 | 1730 | Thu | V WE3S WE3S WE3S de C5FT C5FT" 419 report.                                                 | CW | (LG3) |
| M89 | 4904  | 29-3 | 1800 | Thu | V QW2A QW2A QW2A de G5VD G5VD" Round Slip change from previous logging. 529 report.        | CW | (LG3) |
| M89 | 4860  | 29-3 | 1849 | Thu | VVV Q2M Q2M Q2M de NYZ NYZ QSA ? K" 319 report.                                            | CW | (LG3) |
| M89 | 4860  | 30-3 | 1120 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840                                     | CW | (JPL) |

|     |       |      |      |     |                                                                                                             |    |         |
|-----|-------|------|------|-----|-------------------------------------------------------------------------------------------------------------|----|---------|
| M89 | 6840  | 30-3 | 1120 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860                                                      | CW | (JPL)   |
| M89 | 6840  | 30-3 | 1120 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860                                             | CW | (JPL)   |
| M89 | 3238  | 30-3 | 1123 | Fri | V M8JF (x3) DE RIS9 (x2) (IP - Cont'd) // 4870                                                              | CW | (JPL)   |
| M89 | 4870  | 30-3 | 1123 | Fri | V M8JF (x3) DE RIS9 (x2) (IP - Cont'd) // 3238                                                              | CW | (JPL)   |
| M89 | 4904  | 30-3 | 1126 | Fri | V FT6V (x3) DE SE4R (x2) (IP - Cont'd) // 4326 sending different roundslip                                  | CW | (JPL)   |
| M89 | 4904  | 30-3 | 1126 | Fri | V QW2A (x3) DE G5VD (x2) (IP - Cont'd) // 4326 sending different roundslip                                  | CW | (JPL)   |
| M89 | 4620  | 30-3 | 1220 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840                                             | CW | (JPL)   |
| M89 | 4860  | 30-3 | 1220 | Fri | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840                                             | CW | (JPL)   |
| M89 | 5835  | 31-3 | 0915 | Sat | V FT6V (x3) DE SE4R (x2) (IP - Cont'd) // 10589 sending different roundslip                                 | CW | (JPL)   |
| M89 | 10589 | 31-3 | 0915 | Sat | V QW2A (x3) DE G5VD (x2) (IP - Cont'd) // 5835 sending different roundslip                                  | CW | (JPL)   |
| M89 | 3238  | 31-3 | 0919 | Sat | V M8JF (x3) DE RIS9 (x2) (IP - Cont'd) // 4870 / 6874 / 8157                                                | CW | (JPL)   |
| M89 | 4870  | 31-3 | 0919 | Sat | V M8JF (x3) DE RIS9 (x2) (IP - Cont'd) // 3238 / 6874 / 8157                                                | CW | (JPL)   |
| M89 | 6874  | 31-3 | 0919 | Sat | V M8JF (x3) DE RIS9 (x2) (IP - Cont'd) // 3238 / 4860 / 8157                                                | CW | (JPL)   |
| M89 | 8157  | 31-3 | 0919 | Sat | V M8JF (x3) DE RIS9 (x2) (IP - Cont'd) // 3238 / 4860 / 6874                                                | CW | (JPL)   |
| M89 | 6840  | 31-3 | 0920 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640                                                     | CW | (JPL)   |
| M89 | 10640 | 31-3 | 0920 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840                                                      | CW | (JPL)   |
| M89 | 11250 | 31-3 | 0920 | Sat | VVV (x3) OHB (x3) DE WLC (x2) QRU ?                                                                         | CW | (JPL)   |
| M90 | 3316  | 27-3 | 0636 | Thu | XVSQ wkg 10 outstations: CQXJ, W2TX, DNSF, TSXS, V7Z6, K6ZJ, SVNX, MXV5, PJP6, E5BJ.<br>Collective c/s HR3H | CW | (F5JBR) |
| M90 | 4193  | 27-3 | 0716 | Thu | H6LX H6LX H6LX AR                                                                                           | CW | (F5JBR) |
| M95 | 5801  | 2-3  | 0921 | Fri | V DKG6 (x3) DE 3A7D (x2) //10180                                                                            | CW | (JPL)   |
| M95 | 10180 | 2-3  | 0921 | Fri | V DKG6 (x3) DE 3A7D (x2) //5801                                                                             | CW | (JPL)   |
| M95 | 5801  | 5-3  | 1050 | Mon | V DKG6 (x3) DE 3A7D (x2)                                                                                    | CW | (JPL)   |
| M95 | 10180 | 5-3  | 1052 | Mon | V DKG6 (x3) DE 3A7D (x2)                                                                                    | CW | (JPL)   |
| M95 | 4364  | 5-3  | 1138 | Mon | V BNGC (x3) DE XSV85 (x2) //8073                                                                            | CW | (JPL)   |
| M95 | 8073  | 5-3  | 1138 | Mon | V BNGC (x3) DE XSV85 (x2) //4364                                                                            | CW | (JPL)   |
| M95 | 4243  | 5-3  | 1150 | Mon | i.p. VV HR 7G TO YR PSE CY NR 083 CK 24 35 0305 1502 = 5TD U. TT5 3U6 7TA N44 (Cont'd)<br>//9054            | CW | (JPL)   |
| M95 | 9054  | 5-3  | 1150 | Mon | i.p. VV HR 7G TO YR PSE CY NR 083 CK 24 35 0305 1502 = 5TD U. TT5 3U6 7TA N44 (Cont'd)<br>//4243            | CW | (JPL)   |
| M95 | 3642  | 5-3  | 1953 | Mon | V DKG6 (x3) DE 3A7D (x2) //7602                                                                             | CW | (JPL)   |
| M95 | 7602  | 5-3  | 1953 | Mon | V DKG6 (x3) DE 3A7D (x2) //3642                                                                             | CW | (JPL)   |
| M95 | 3642  | 6-3  | 1357 | Tue | V DKG6 (x3) DE 3A7D (x2) //7602                                                                             | CW | (JPL)   |
| M95 | 7602  | 6-3  | 1357 | Tue | V DKG6 (x3) DE 3A7D (x2) //3642                                                                             | CW | (JPL)   |
| M95 | 10180 | 7-3  | 0950 | Wed | V DKG6 (x3) DE 3A7D (x2)                                                                                    | CW | (JPL)   |
| M95 | 3642  | 9-3  | 1757 | Fri | V DKG6 (x3) DE 3A7D (x2) //7602                                                                             | CW | (JPL)   |
| M95 | 7602  | 9-3  | 1757 | Fri | V DKG6 (x3) DE 3A7D (x2) //3642                                                                             | CW | (JPL)   |
| M95 | 10180 | 10-3 | 0813 | Sat | V DKG6 (x3) DE 3A7D (x2)                                                                                    | CW | (JPL)   |
| M95 | 3642  | 12-3 | 1511 | Mon | V DKG6 (x3) DE 3A7D (x2) //7602                                                                             | CW | (JPL)   |
| M95 | 7602  | 12-3 | 1511 | Mon | V DKG6 (x3) DE 3A7D (x2) //3642                                                                             | CW | (JPL)   |

|     |         |      |      |     |                                                                                                                             |    |          |
|-----|---------|------|------|-----|-----------------------------------------------------------------------------------------------------------------------------|----|----------|
| M95 | 4100    | 12-3 | 1523 | Mon | i.p. VVV 3647 5TAU 345N 67DT T345 DN6A U7D5 ... III III 05 05 05 05 05 ISSESSESESS SI 05 05<br>05 = A5D4 NU36 7TA5 4DU6 3M. | CW | (JPL)    |
| M95 | 3642    | 15-3 | 1506 | Thu | V DKG6 (x3) DE 3A7D (x2) //7602                                                                                             | CW | (JPL)    |
| M95 | 7602    | 15-3 | 1506 | Thu | V DKG6 (x3) DE 3A7D (x2) //3642                                                                                             | CW | (JPL)    |
| M95 | 3642    | 15-3 | 2142 | Thu | V DKG6 (x3) DE 3A7D (x2) //7602                                                                                             | CW | (JPL)    |
| M95 | 7602    | 15-3 | 2142 | Thu | V DKG6 (x3) DE 3A7D (x2) //3642                                                                                             | CW | (JPL)    |
| M95 | 10180   | 16-3 | 0853 | Fri | V DKG6 (x3) DE 3A7D (x2)                                                                                                    | CW | (JPL)    |
| M95 | 3642    | 16-3 | 1406 | Fri | V DKG6 (x3) DE 3A7D (x2) //7602                                                                                             | CW | (JPL)    |
| M95 | 7602    | 16-3 | 1406 | Fri | V DKG6 (x3) DE 3A7D (x2) //3642                                                                                             | CW | (JPL)    |
| M95 | 3642    | 18-3 | 1449 | Sun | V DKG6 (x3) DE 3A7D (x2) //7602                                                                                             | CW | (JPL)    |
| M95 | 7602    | 18-3 | 1449 | Sun | V DKG6 (x3) DE 3A7D (x2) //3642                                                                                             | CW | (JPL)    |
| M95 | 5801    | 20-3 | 1046 | Tue | V DKG6 (x3) DE 3A7D (x2) //10180                                                                                            | CW | (JPL)    |
| M95 | 10180   | 20-3 | 1046 | Tue | V DKG6 (x3) DE 3A7D (x2) //5801                                                                                             | CW | (JPL)    |
| M95 | 4243    | 20-3 | 1117 | Tue | i.p. 0320 1530 = AHR 7G GA NR 40 CK 148 35 03020 1618 =                                                                     | CW | (JPL)    |
| M95 | 5801    | 30-3 | 1114 | Fri | V DKG6 (x3) DE 3A7D (x2) //10180                                                                                            | CW | (JPL)    |
| M95 | 10180   | 30-3 | 1114 | Fri | V DKG6 (x3) DE 3A7D (x2) //5801                                                                                             | CW | (JPL)    |
| M95 | 4364    | 30-3 | 1138 | Fri | V BNGC (x3) DE XSV85 (x2) HR MSG GA HR MSG GA NR NR 0298 CK 204 35 0330 1544 AR                                             | CW | (JPL)    |
| M95 | 4243    | 30-3 | 1146 | Fri | V V HR MSG TO YR PSE CY NR 033 CK 17 35 0330 1546 = 5TD UTT T3T 3U6 3A4 ... //9054                                          | CW | (JPL)    |
| M95 | 9054    | 30-3 | 1146 | Fri | V V HR MSG TO YR PSE CY NR 033 CK 17 35 0330 1546 = 5TD UTT T3T 3U6 3A4 ... //4243                                          | CW | (JPL)    |
| M95 | 5801    | 31-3 | 0912 | Sat | V DKG6 (x3) DE 3A7D (x2) //10180                                                                                            | CW | (JPL)    |
| M95 | 10180   | 31-3 | 0912 | Sat | V DKG6 (x3) DE 3A7D (x2) //5801                                                                                             | CW | (JPL)    |
| MX  | 8497.9  | 3-3  | 0905 | Sat | Beacon L, St Petersburg                                                                                                     | CW | (AB)     |
| MX  | 16331.7 | 3-3  | 0908 | Sat | Beacon D, Sevastopol                                                                                                        | CW | (AB)     |
| MX  | 16331.9 | 3-3  | 0908 | Sat | Beacon S, Sevoromorsk                                                                                                       | CW | (AB)     |
| MX  | 16332   | 3-3  | 0908 | Sat | Beacon C, Moscow                                                                                                            | CW | (AB)     |
| MX  | 13527.7 | 3-3  | 0909 | Sat | Beacon D, Sevastopol                                                                                                        | CW | (AB)     |
| MX  | 13528   | 3-3  | 0909 | Sat | Beacon C, Moscow                                                                                                            | CW | (AB)     |
| MX  | 13528.1 | 3-3  | 0909 | Sat | Beacon A, Astrakhan                                                                                                         | CW | (AB)     |
| MX  | 10871.7 | 3-3  | 0910 | Sat | Beacon D, Sevastopol                                                                                                        | CW | (AB)     |
| MX  | 10871.9 | 3-3  | 0910 | Sat | Beacon S, Sevoromorsk                                                                                                       | CW | (AB)     |
| MX  | 10872   | 3-3  | 0910 | Sat | Beacon C, Moscow                                                                                                            | CW | (AB)     |
| MX  | 5154.4  | 3-3  | 0914 | Sat | Beacon M, Magadan                                                                                                           | CW | (AB-J)   |
| MX  | 8495.2  | 3-3  | 0914 | Sat | Beacon F, Vladivostok                                                                                                       | CW | (AB-J)   |
| MX  | 8495.3  | 3-3  | 0914 | Sat | Beacon K, Petropavlovsk Kamchatskiy                                                                                         | CW | (AB-J)   |
| MX  | 8495.4  | 3-3  | 0914 | Sat | Beacon M, Magadan                                                                                                           | CW | (AB-J)   |
| MX  | 10872.4 | 3-3  | 0914 | Sat | Beacon M, Magadan                                                                                                           | CW | (AB-J)   |
| MX  | 13528.2 | 3-3  | 0914 | Sat | Beacon F, Vladivostok                                                                                                       | CW | (AB-J)   |
| MX  | 8495.1  | 3-3  | 0919 | Sat | Beacon A, Astrakhan                                                                                                         | CW | (AB-Sib) |
| MX  | 16332.1 | 3-3  | 0919 | Sat | Beacon A, Astrakhan                                                                                                         | CW | (AB-Sib) |
| MX  | 3168.5  | 11-3 | 1959 | Sun | Beacon L                                                                                                                    | CW | (EB-D)   |

|             |        |      |      |     |               |         |         |
|-------------|--------|------|------|-----|---------------|---------|---------|
| <b>MX</b>   | 4150   | 11-3 | 2001 | Sun | Beacon V      | CW      | (EB-D)  |
| <b>MX</b>   | 4558.1 | 11-3 | 2003 | Sun | Beacon A      | CW      | (EB-D)  |
| <b>MX</b>   | 5153.7 | 11-3 | 2004 | Sun | Beacon D      | CW      | (EB-D)  |
| <b>MX</b>   | 5154   | 11-3 | 2005 | Sun | Beacon C      | CW      | (EB-D)  |
| <b>MX</b>   | 5154.1 | 11-3 | 2005 | Sun | Beacon A      | CW      | (EB-D)  |
| <b>MX</b>   | 5466   | 11-3 | 2006 | Sun | Beacon V      | CW      | (EB-D)  |
| <b>MX</b>   | 7508.9 | 11-3 | 2009 | Sun | Beacon S      | CW      | (EB-D)  |
| <b>MX</b>   | 7509   | 11-3 | 2009 | Sun | Beacon C      | CW      | (EB-D)  |
| <b>MX</b>   | 7509.1 | 11-3 | 2009 | Sun | Beacon A      | CW      | (EB-D)  |
| <b>MX</b>   | 5466   | 15-3 | 1749 | Thu | Beacon V      | CW      | (AB)    |
| <b>MX</b>   | 5619   | 27-3 | 0401 | Thu | Beacon V      | CW      | (BW3-D) |
| <b>P03a</b> | 13575  | 2-3  | 1440 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 13575  | 2-3  | 1445 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 10302  | 2-3  | 1500 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 10302  | 2-3  | 1505 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 10728  | 3-3  | 1225 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 10728  | 3-3  | 1230 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 5779   | 3-3  | 1435 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 5779   | 3-3  | 1440 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 13873  | 3-3  | 1500 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 13873  | 3-3  | 1505 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 13873  | 4-3  | 1410 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 13873  | 4-3  | 1415 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 13575  | 4-3  | 1440 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 13575  | 4-3  | 1445 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 10728  | 7-3  | 1225 | Wed | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 10728  | 7-3  | 1230 | Wed | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 5779   | 7-3  | 1435 | Wed | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 5779   | 7-3  | 1440 | Wed | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 13873  | 7-3  | 1500 | Wed | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 13873  | 7-3  | 1505 | Wed | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 15801  | 8-3  | 1417 | Thu | Polish Intel. | BPSK-63 | (MCO)   |
| <b>P03a</b> | 10302  | 9-3  | 1500 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 10302  | 9-3  | 1505 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 10728  | 10-3 | 1225 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 10728  | 10-3 | 1230 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 5779   | 10-3 | 1435 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 5779   | 10-3 | 1440 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 13873  | 10-3 | 1500 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| <b>P03a</b> | 13873  | 10-3 | 1505 | Sat | Polish Intel. | BPSK-63 | (AB)    |

|      |       |      |      |     |               |         |      |
|------|-------|------|------|-----|---------------|---------|------|
| P03a | 13873 | 12-3 | 1410 | Mon | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13873 | 12-3 | 1415 | Mon | Polish Intel. | BPSK-63 | (AB) |
| P03a | 9902  | 12-3 | 1635 | Mon | Polish Intel. | BPSK-63 | (AB) |
| P03a | 9902  | 12-3 | 1640 | Mon | Polish Intel. | BPSK-63 | (AB) |
| P03a | 5946  | 13-3 | 1725 | Thu | Polish Intel. | BPSK-63 | (AB) |
| P03a | 5946  | 13-3 | 1730 | Thu | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10728 | 14-3 | 1225 | Wed | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10728 | 14-3 | 1230 | Wed | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13873 | 14-3 | 1500 | Wed | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13873 | 14-3 | 1505 | Wed | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10302 | 16-3 | 1500 | Fri | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10302 | 16-3 | 1505 | Fri | Polish Intel. | BPSK-63 | (AB) |
| P03a | 9902  | 16-3 | 1635 | Fri | Polish Intel. | BPSK-63 | (AB) |
| P03a | 9902  | 16-3 | 1640 | Fri | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10728 | 17-3 | 1225 | Sat | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10728 | 17-3 | 1230 | Sat | Polish Intel. | BPSK-63 | (AB) |
| P03a | 5779  | 17-3 | 1435 | Sat | Polish Intel. | BPSK-63 | (AB) |
| P03a | 5779  | 17-3 | 1440 | Sat | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13873 | 18-3 | 1410 | Sun | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13873 | 18-3 | 1415 | Sun | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13575 | 18-3 | 1440 | Sun | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13575 | 18-3 | 1445 | Sun | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10302 | 18-3 | 1500 | Sun | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10302 | 18-3 | 1505 | Sun | Polish Intel. | BPSK-63 | (AB) |
| P03a | 5946  | 18-3 | 1725 | Sun | Polish Intel. | BPSK-63 | (AB) |
| P03a | 5946  | 18-3 | 1730 | Sun | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13873 | 19-3 | 1410 | Mon | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13873 | 19-3 | 1415 | Mon | Polish Intel. | BPSK-63 | (AB) |
| P03a | 9902  | 19-3 | 1635 | Mon | Polish Intel. | BPSK-63 | (AB) |
| P03a | 9902  | 19-3 | 1640 | Mon | Polish Intel. | BPSK-63 | (AB) |
| P03a | 5946  | 20-3 | 1725 | Thu | Polish Intel. | BPSK-63 | (AB) |
| P03a | 5946  | 20-3 | 1730 | Thu | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10728 | 21-3 | 1225 | Wed | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10728 | 21-3 | 1230 | Wed | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13873 | 21-3 | 1500 | Wed | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13873 | 21-3 | 1505 | Wed | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13575 | 23-3 | 1440 | Fri | Polish Intel. | BPSK-63 | (AB) |
| P03a | 13575 | 23-3 | 1445 | Fri | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10302 | 23-3 | 1500 | Fri | Polish Intel. | BPSK-63 | (AB) |
| P03a | 10302 | 23-3 | 1505 | Fri | Polish Intel. | BPSK-63 | (AB) |



|      |       |      |      |     |               |         |         |
|------|-------|------|------|-----|---------------|---------|---------|
| P03a | 9902  | 23-3 | 1635 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 9902  | 23-3 | 1640 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 10728 | 24-3 | 1225 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 10728 | 24-3 | 1230 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 5779  | 24-3 | 1435 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 5779  | 24-3 | 1440 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 13873 | 24-3 | 1500 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 13873 | 24-3 | 1505 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 13873 | 25-3 | 1410 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 13873 | 25-3 | 1415 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 13575 | 25-3 | 1440 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 13575 | 25-3 | 1445 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 10302 | 25-3 | 1500 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 10302 | 25-3 | 1505 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 5946  | 25-3 | 1725 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 5946  | 25-3 | 1730 | Sun | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 13873 | 26-3 | 1410 | Mon | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 13873 | 26-3 | 1415 | Mon | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 5946  | 27-3 | 1725 | Thu | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 5946  | 27-3 | 1730 | Thu | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 10728 | 28-3 | 1225 | Wed | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 10728 | 28-3 | 1230 | Wed | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 13873 | 28-3 | 1500 | Wed | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 13873 | 28-3 | 1505 | Wed | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 10302 | 30-3 | 1500 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 10302 | 30-3 | 1505 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 9902  | 30-3 | 1635 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 9902  | 30-3 | 1640 | Fri | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 10728 | 31-3 | 1225 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 10728 | 31-3 | 1230 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 5779  | 31-3 | 1435 | Sat | Polish Intel. | BPSK-63 | (AB/FT) |
| P03a | 5779  | 31-3 | 1440 | Sat | Polish Intel. | BPSK-63 | (AB/FT) |
| P03a | 13873 | 31-3 | 1500 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| P03a | 13873 | 31-3 | 1505 | Sat | Polish Intel. | BPSK-63 | (AB)    |
| P03b | 4505  | 2-3  | 2035 | Fri | Polish Intel. | QPSK-63 | (AB)    |
| P03b | 4505  | 2-3  | 2040 | Fri | Polish Intel. | QPSK-63 | (AB)    |
| P03b | 4505  | 7-3  | 2035 | Wed | Polish Intel. | QPSK-63 | (AB)    |
| P03b | 4505  | 7-3  | 2040 | Wed | Polish Intel. | QPSK-63 | (AB)    |
| P03b | 11107 | 11-3 | 1120 | Sun | Polish Intel. | QPSK-63 | (AB)    |
| P03b | 11107 | 11-3 | 1125 | Sun | Polish Intel. | QPSK-63 | (AB)    |

|             |       |      |      |     |                                                                                                                   |                         |             |
|-------------|-------|------|------|-----|-------------------------------------------------------------------------------------------------------------------|-------------------------|-------------|
| <b>P03b</b> | 11107 | 14-3 | 1120 | Wed | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 11107 | 14-3 | 1125 | Wed | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 4505  | 16-3 | 2035 | Fri | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 4505  | 16-3 | 2040 | Fri | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 11107 | 21-3 | 1120 | Wed | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 11107 | 21-3 | 1125 | Wed | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 4505  | 23-3 | 2035 | Fri | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 4505  | 23-3 | 2040 | Fri | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 11107 | 25-3 | 1120 | Sun | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 11107 | 25-3 | 1125 | Sun | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 11107 | 28-3 | 1120 | Wed | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 11107 | 28-3 | 1125 | Wed | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 4505  | 28-3 | 2035 | Wed | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 4505  | 28-3 | 2040 | Wed | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 4505  | 30-3 | 2035 | Fri | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>P03b</b> | 4505  | 30-3 | 2040 | Fri | Polish Intel.                                                                                                     | QPSK-63                 | (AB)        |
| <b>Q26</b>  | 4364  | 5-3  | 1138 | Mon | Messages //8073                                                                                                   | 4+4 QPSK 75/3000<br>LSB | (JPL)       |
| <b>Q26</b>  | 8073  | 5-3  | 1138 | Mon | Messages //4364                                                                                                   | 4+4 QPSK 75/3000<br>LSB | (JPL)       |
| <b>Q26</b>  | 4243  | 5-3  | 1150 | Mon | Messages //9054                                                                                                   | 4+4 QPSK 75/3000<br>LSB | (JPL)       |
| <b>Q26</b>  | 9054  | 5-3  | 1150 | Mon | Messages //4243                                                                                                   | 4+4 QPSK 75/3000<br>LSB | (JPL)       |
| <b>Q26</b>  | 4563  | 30-3 | 1138 | Fri | Messages                                                                                                          | 4+4 QPSK 75/3000<br>LSB | (JPL)       |
| <b>Q26</b>  | 4243  | 30-3 | 1146 | Fri | Messages //9054                                                                                                   | 4+4 QPSK 75/3000<br>LSB | (JPL)       |
| <b>Q26</b>  | 9054  | 30-3 | 1146 | Fri | Messages //4243                                                                                                   | 4+4 QPSK 75/3000<br>LSB | (JPL)       |
| <b>RAv</b>  | 5596  | 5-3  | 1008 | Mon | Naryan Mar Control w/8755 passing wx conditions for undisclosed location                                          | USB                     | (RP-S)      |
| <b>RAv</b>  | 11360 | 5-3  | 1015 | Mon | Korsar w/76745 (IL-76MD) reporting 3 hrs into flt & ops normal                                                    | USB                     | (RP-S)      |
| <b>RAv</b>  | 11360 | 7-3  | 1308 | Wed | Korsar w/78845 (IL-76MD 224th Air Detachment, Tver) reporting 1 hr into flt w/33 tons fuel remaining & ops normal | USB                     | (RP-DNK)    |
| <b>RAv</b>  | 11360 | 7-3  | 1331 | Wed | Korsar w/76745 (IL-76MD) reporting 1 hr into flt w/20 tons fuel & ops normal                                      | USB                     | (RP-DNK)    |
| <b>S06</b>  | 19415 | 1-3  | 0830 | Thu | 842 607 41 61101 ...                                                                                              | USB                     | (HFD-HK)    |
| <b>S06</b>  | 6769  | 2-3  | 2100 | Fri | 483 483 483 00000                                                                                                 | USB                     | (HFD)       |
| <b>S06</b>  | 4491  | 3-3  | 2000 | Sat | 263 263 263 00000                                                                                                 | USB                     | (AnEur/HFD) |
| <b>S06</b>  | 3815  | 3-3  | 2100 | Sat | 263 263 263 00000                                                                                                 | USB                     | (AnEur/HFD) |
| <b>S06</b>  | 13389 | 13-3 | 1000 | Thu | 480 296 40 34415 80223 55958 ... 05259 79739 54765 296 40 00000                                                   | USB                     | (AB/HFD)    |



|     |       |      |      |     |                                                                                                                                 |     |                   |
|-----|-------|------|------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|
| S06 | 11487 | 13-3 | 1030 | Thu | 480 296 40 34415 80223 55958 ... 05259 79739 54765 296 40 00000 Another S06 can be heard in the background during the callup.   | USB | (AB/HFD)          |
| S06 | 14913 | 13-3 | 1500 | Thu | 387 901 56 62681 84125 73038 ... 60675 98486 89458 901 56 00000                                                                 | USB | (Danix/GHn/HFD)   |
| S06 | 14913 | 13-3 | 1500 | Thu | 387 901 56 62681 84125 73038 ... 60675 98486 89458 901 56 00000                                                                 | USB | (Danix/GHn)       |
| S06 | 7887  | 13-3 | 1515 | Thu | 409 267 53 43961 52196 64248 ... 08107 54153 26459 267 53 00000                                                                 | USB | (Danix)           |
| S06 | 7887  | 13-3 | 1515 | Thu | 409 267 53 43961 52196 64248 ... 08107 54153 26459 267 53 00000                                                                 | USB | (Danix/qsr711)    |
| S06 | 10387 | 13-3 | 1600 | Thu | 387 901 56 62681 84125 73038 ... 60675 98486 89458 901 56 00000                                                                 | USB | (Danix)           |
| S06 | 10387 | 13-3 | 1600 | Thu | 387 901 56 62681 84125 73038 ... 60675 98486 89458 901 56 00000                                                                 | USB | (Danix/HFD)       |
| S06 | 12053 | 13-3 | 1615 | Thu | 409 267 53 43961 52196 64248 ... 08107 54153 26459 267 53 00000                                                                 | USB | (qsr711)          |
| S06 | 13429 | 13-3 | 1620 | Thu | 348 925 166 ... 10682 75680 19762 09261 84804 348 348 348 (R) 10682 75680 19762 09261 84804 925 166 00000                       | USB | (AB/Danix)        |
| S06 | 13429 | 13-3 | 1620 | Thu | 348 925 166 ... 10682 75680 19762 09261 84804 348 348 348 (R) 10682 75680 19762 09261 84804 925 166 00000                       | USB | (AB/Danix/qsr711) |
| S06 | 8116  | 13-3 | 1700 | Thu | 480 296 40 34415 80223 55958 ... 05259 79739 54765 296 40 00000 On top of E06. E06 was a leak from their broadcast on 14357 kHz | USB | (AB/HFD)          |
| S06 | 6792  | 13-3 | 1730 | Thu | 480 296 40 34415 80223 55958 ... 05259 79739 54765 296 40 00000                                                                 | USB | (AB/HFD)          |
| S06 | 9082  | 14-3 | 0830 | Wed | 464 258 7 = 21767                                                                                                               | USB | (HFD)             |
| S06 | 9952  | 14-3 | 0840 | Wed | 464 ...                                                                                                                         | USB | (HFD)             |
| S06 | 14913 | 14-3 | 1500 | Wed | 387 901 56 62681 84125 73038 ... 60675 98486 89458 901 56 00000                                                                 | USB | (Danix/ES)        |
| S06 | 14913 | 14-3 | 1500 | Wed | 387 901 56 62681 84125 73038 ... 60675 98486 89458 901 56 00000                                                                 | USB | (Danix/ES)        |
| S06 | 7887  | 14-3 | 1515 | Wed | 409 267 53 43961 52196 64248 ... 08107 54153 26459 267 53 00000                                                                 | USB | (AB/Danix)        |
| S06 | 7887  | 14-3 | 1515 | Wed | 409 267 53 43961 52196 64248 ... 08107 54153 26459 267 53 00000                                                                 | USB | (AB/Danix/qsr711) |
| S06 | 10387 | 14-3 | 1600 | Wed | 387 901 56 62681 84125 73038 ... 60675 98486 89458 901 56 00000                                                                 | USB | (AB/Danix/ES)     |
| S06 | 10387 | 14-3 | 1600 | Wed | 387 901 56 62681 84125 73038 ... 60675 98486 89458 901 56 00000                                                                 | USB | (AB/Danix/ES)     |
| S06 | 12053 | 14-3 | 1615 | Wed | 409 267 53 43961 52196 64248 ... 08107 54153 26459 267 53 00000                                                                 | USB | (AB/Danix)        |
| S06 | 12053 | 14-3 | 1615 | Wed | 409 267 53 43961 52196 64248 ... 08107 54153 26459 267 53 00000                                                                 | USB | (AB/Danix/qsr711) |
| S06 | 13429 | 14-3 | 1620 | Wed | 348 925 166 ...                                                                                                                 | USB | (Danix)           |
| S06 | 13429 | 14-3 | 1620 | Wed | 348 925 166 ...                                                                                                                 | USB | (Danix)           |
| S06 | 9047  | 16-3 | 2000 | Fri | 483 483 483 00000                                                                                                               | USB | (MPJ/HFD)         |
| S06 | 6769  | 16-3 | 2100 | Fri | 483 483 483 00000                                                                                                               | USB | (AB/MPJ/Kris)     |
| S06 | 4491  | 17-3 | 2000 | Sat | 263 263 263 00000                                                                                                               | USB | (AB)              |
| S06 | 3815  | 17-3 | 2100 | Sat | 263 263 263 00000                                                                                                               | USB | (AB)              |
| S06 | 13389 | 18-3 | 1000 | Sun | 480 135 44 38242 46045 16619 ... 81013 09636 99271 135 44 00000                                                                 | USB | (AB)              |
| S06 | 11487 | 18-3 | 1030 | Sun | 480 135 44 38242 46045 16619 ... 81013 09636 99271 135 44 00000                                                                 | USB | (AB)              |
| S06 | 8116  | 18-3 | 1700 | Sun | 480 135 44 38242 46045 16619 ... 81013 09636 99271 135 44 00000                                                                 | USB | (AB/MPJ)          |
| S06 | 6792  | 18-3 | 1730 | Sun | 480 135 44 38242 46045 16619 ... 81013 09636 99271 135 44 00000                                                                 | USB | (AB/MPJ)          |
| S06 | 13389 | 20-3 | 1000 | Thu | 480 726 40 29892 12160 63004 ... 55941 15903 64313 726 40 00000                                                                 | USB | (AB)              |
| S06 | 11487 | 20-3 | 1030 | Thu | 480 726 40 29892 12160 63004 ... 55941 15903 64313 726 40 00000                                                                 | USB | (AB)              |
| S06 | 8116  | 20-3 | 1700 | Thu | 480 726 40 29892 12160 63004 ... 55941 15903 64313 726 40 00000                                                                 | USB | (AB/MPJ)          |
| S06 | 6792  | 20-3 | 1730 | Thu | 480 726 40 29892 12160 63004 ... 55941 15903 64313 726 40 00000                                                                 | USB | (AB/MPJ)          |

|      |       |      |      |     |                                                                       |     |                |
|------|-------|------|------|-----|-----------------------------------------------------------------------|-----|----------------|
| S06  | 13389 | 25-3 | 1000 | Sun | 480 951 42 85415 05660 12561 ... 22126 84886 91515 951 42 00000       | USB | (AB)           |
| S06  | 11487 | 25-3 | 1030 | Sun | 480 951 42 85415 05660 12561 ... 22126 84886 91515 951 42 00000       | USB | (AB)           |
| S06  | 8116  | 25-3 | 1700 | Sun | 480 951 42 85415 05660 12561 ... 22126 84886 91515 951 42 00000       | USB | (AB)           |
| S06  | 6792  | 25-3 | 1730 | Sun | 480 951 42 85415 05660 12561 ... 22126 84886 91515 951 42 00000       | USB | (AB)           |
| S06  | 15721 | 27-3 | 0400 | Tue | 480 251 60 47889 ...                                                  | USB | (HFD)          |
| S06  | 13389 | 27-3 | 1000 | Thu | 480 267 43 07833 86229 49643 ... 00790 29330 09572 267 43 00000       | USB | (AB/MPJ)       |
| S06  | 11487 | 27-3 | 1030 | Thu | 480 267 43 07833 86229 49643 ... 00790 29330 09572 267 43 00000       | USB | (AB/MPJ)       |
| S06  | 8116  | 27-3 | 1700 | Thu | 480 267 43 07833 86229 49643 ... 00790 29330 09572 267 43 00000       | USB | (AB/MPJ)       |
| S06  | 6792  | 27-3 | 1730 | Thu | 480 267 43 07833 86229 49643 ... 00790 29330 09572 267 43 00000       | USB | (AB/MPJ)       |
| S06b | 15643 | 14-3 | 1325 | Wed | 583 491 2 11111 00053 / 583 274 156                                   | USB | (Danix/qsr711) |
| S06b | 15643 | 14-3 | 1325 | Wed | 583 491 2 11111 00053 / 583 274 156                                   | USB | (Danix)        |
| S06b | 12176 | 14-3 | 1425 | Wed | 583 491 2 11111 00053 / 583 274 156                                   | USB | (Danix)        |
| S06b | 12176 | 14-3 | 1425 | Wed | 583 491 2 11111 00053 / 583 274 156                                   | USB | (Danix/qsr711) |
| S06b | 12176 | 14-3 | 1430 | Wed | i.p. 72574 05378 81749 ... 80674 01748 38717 274 156 00000            | USB | (AB)           |
| S06b | 12176 | 14-3 | 1430 | Wed | i.p. 72574 05378 81749 ... 80674 01748 38717 274 156 00000            | USB | (AB)           |
| S06c | 12184 | 13-3 | 1445 | Thu | 11042                                                                 | USB | (qsr711)       |
| S06s | 9081  | 1-3  | 0930 | Thu | 314 206 5 14987 37986 36379 31366 44597 206 5 00000                   | USB | (AB/HFD)       |
| S06s | 10514 | 1-3  | 0940 | Thu | 314 206 5 14987 37986 36379 31366 44597 206 5 00000                   | USB | (AB/GFD)       |
| S06s | 12415 | 1-3  | 1200 | Thu | 425 807 6 43409 32571 33313 40597 91430 40489 807 6 00000             | USB | (AB/HFD)       |
| S06s | 14212 | 1-3  | 1210 | Thu | 425 807 6 43409 32571 33313 40597 91430 40489 807 6 00000             | USB | (AB)           |
| S06s | 5744  | 2-3  | 0900 | Fri | 624 973 5 53516 25616 56069 96813 14199 973 5 00000                   | USB | (AB./HFD)      |
| S06s | 6524  | 2-3  | 0910 | Fri | 624 973 5 53516 25616 56069 96813 14199 973 5 00000                   | USB | (AB/HFD)       |
| S06s | 12140 | 2-3  | 0930 | Fri | 516 483 7 16123 22536 88280 84116 53718 78927 34694 483 7 00000       | USB | (AB/HFD)       |
| S06s | 13515 | 2-3  | 0940 | Fri | 516 483 7 16123 22536 88280 84116 53718 78927 34694 483 7 00000       | USB | (AB/HFD)       |
| S06s | 10350 | 3-3  | 0800 | Sat | 254 907 6 46062 68672 97478 39685 30485 96632 907 6 00000             | USB | (AB/HFD)       |
| S06s | 8520  | 3-3  | 0810 | Sat | 254 907 6 46062 68672 97478 39685 30485 96632 907 6 00000             | USB | (AB/HFD)       |
| S06s | 13165 | 5-3  | 0910 | Mon | 872 540 6 83456 37393 93068 41916 39297 47993 540 6 00000             | USB | (AB)           |
| S06s | 9145  | 5-3  | 1200 | Mon | 831 574 6 33590 88913 95577 33198 44591 37953 564 6 00000             | USB | (MPJ/HFD)      |
| S06s | 11460 | 5-3  | 1210 | Mon | 831 574 6 33590 88913 95577 33198 44591 37953 564 6 00000             | USB | (MPJ/HFD)      |
| S06s | 5760  | 6-3  | 0700 | Thu | 374 589 6 40293 44460 34814 82272 37567 34375 589 6 00000             | USB | (AB/HFD)       |
| S06s | 6930  | 6-3  | 0715 | Thu | 374 589 6 40293 44460 34814 82272 37567 34375 589 6 00000             | USB | (AB/HFD)       |
| S06s | 7425  | 6-3  | 0730 | Thu | 427 891 5 33796 13577 43494 34545 34694 891 5 00000                   | USB | (AB/HFD)       |
| S06s | 11560 | 6-3  | 0740 | Thu | 427 891 5 33796 13577 43494 34545 34694 891 5 00000                   | USB | (AB/HFD)       |
| S06s | 6190  | 6-3  | 1100 | Thu | 754 938 6 37661 30885 48702 38344 48334 85371 938 6 00000             | USB | (MPJ-AUT/HFD)  |
| S06s | 7230  | 6-3  | 1110 | Thu | 754 938 6 37661 30885 48702 38344 48334 85371 938 6 00000             | USB | (MPJ-AUT)      |
| S06s | 6464  | 6-3  | 1500 | Thu | 537 480 6 44745 16330 88418 90980 88650 34303 480 6 00000             | USB | (AB/MPJ/HFD)   |
| S06s | 7242  | 6-3  | 1510 | Thu | 537 480 6 44745 16330 88418 90980 88650 34303 480 6 00000             | USB | (AB/MPJ/HFD)   |
| S06s | 8630  | 7-3  | 0820 | Wed | 471 506 8 46062 68672 97478 39685 30485 96632 52537 53317 506 8 00000 | USB | (AB/HFD)       |
| S06s | 9082  | 7-3  | 0830 | Wed | 464 258 7 21767 53672 11834 81022 36903 41422 64385 258 7 00000       | USB | (AB)           |
| S06s | 9255  | 7-3  | 0830 | Wed | 471 506 8 46062 68672 97478 39685 30485 96632 52537 53317 506 8 00000 | USB | (AB)           |

|      |       |      |      |     |                                                                       |     |              |
|------|-------|------|------|-----|-----------------------------------------------------------------------|-----|--------------|
| S06s | 11530 | 7-3  | 0830 | Wed | 745 261 8 52401 63919 92699 14600 74248 48754 65125 41879 261 8 00000 | USB | (AB)         |
| S06s | 9952  | 7-3  | 0840 | Wed | 464 258 7 21767 53672 11834 81022 36903 41422 64385 258 7 00000       | USB | (AB)         |
| S06s | 12140 | 7-3  | 0840 | Wed | 745 261 8 52401 63919 92699 14600 74248 48754 65125 41879 261 8 00000 | USB | (AB)         |
| S06s | 9081  | 8-3  | 0930 | Thu | 314 206 5 14987 37986 36379 31366 44597 206 5 00000                   | USB | (AB)         |
| S06s | 10514 | 8-3  | 0940 | Thu | 314 206 5 14987 37986 36379 31366 44597 206 5 00000                   | USB | (AB)         |
| S06s | 12415 | 8-3  | 1200 | Thu | 425 807 6 43409 32571 33313 40597 91430 40489 807 6 00000             | USB | (AB/MPJ)     |
| S06s | 14212 | 8-3  | 1210 | Thu | 425 807 6 43409 32571 33313 40597 91430 40489 807 6 00000             | USB | (AB/MPJ/HFD) |
| S06s | 5744  | 9-3  | 0900 | Fri | 624 973 5 53516 25616 56069 96813 14199 973 5 00000                   | USB | (AB)         |
| S06s | 6524  | 9-3  | 0910 | Fri | 624 973 5 53516 25616 56069 96813 14199 973 5 00000                   | USB | (AB)         |
| S06s | 12140 | 9-3  | 0930 | Fri | 516 483 7 16123 22536 88280 84116 53718 78927 34694 483 7 00000       | USB | (AB)         |
| S06s | 13515 | 9-3  | 0940 | Fri | 516 483 7 16123 22536 88280 84116 53718 78927 34694 483 7 00000       | USB | (AB)         |
| S06s | 9220  | 12-3 | 0830 | Mon | 371 592 6 47272 36308 46945 34932 33590 88913 592 6 00000             | USB | (AB)         |
| S06s | 8270  | 12-3 | 0840 | Mon | 371 592 6 47272 36308 46945 34932 33590 88913 592 6 00000             | USB | (AB)         |
| S06s | 14580 | 12-3 | 0900 | Mon | 872 540 6 83456 37393 93068 41916 39297 47993 540 6 00000             | USB | (AB-UKR)     |
| S06s | 13165 | 12-3 | 0910 | Mon | 872 540 6 83456 37393 93068 41916 39297 47993 540 6 00000             | USB | (AB)         |
| S06s | 9145  | 12-3 | 1200 | Mon | 831 574 6 33590 88913 95577 33198 44591 37953 564 6 00000             | USB | (AB/MPJ)     |
| S06s | 11460 | 12-3 | 1210 | Mon | 831 574 6 33590 88913 95577 33198 44591 37953 564 6 00000             | USB | (AB/MPJ)     |
| S06s | 15855 | 13-3 | 0600 | Thu | 438 527 6 15690 85544 34558 49232 43249 33666 527 6 00000             | USB | (AB-UKR)     |
| S06s | 16485 | 13-3 | 0610 | Thu | 438 527 6 15690 85544 34558 49232 43249 33666 527 6 00000             | USB | (AB-UKR)     |
| S06s | 5760  | 13-3 | 0700 | Thu | 374 589 6 40293 44460 34814 82272 37567 34375 589 6 00000             | USB | (AB)         |
| S06s | 6930  | 13-3 | 0715 | Thu | 374 589 6 40293 44460 34814 82272 37567 34375 589 6 00000             | USB | (AB)         |
| S06s | 7425  | 13-3 | 0730 | Thu | 427 891 5 33796 13577 43494 34545 34694 891 5 00000                   | USB | (AB)         |
| S06s | 11560 | 13-3 | 0740 | Thu | 427 891 5 33796 13577 43494 34545 34694 891 5 00000                   | USB | (AB)         |
| S06s | 11635 | 13-3 | 0800 | Thu | 352 840 6 95225 84090 09531 88430 33240 61135 840 6 000000            | USB | (AB/HFD)     |
| S06s | 10420 | 13-3 | 0810 | Thu | 352 840 6 95225 84090 09531 88430 33240 61135 840 6 000000            | USB | (AB/HFD)     |
| S06s | 6410  | 13-3 | 1000 | Thu | 893 425 6 89758 52343 70552 56936 57989 05371 425 6 00000             | USB | (AB-POL/HFD) |
| S06s | 7340  | 13-3 | 1010 | Thu | 893 425 6 89758 52343 70552 56936 57989 05371 425 6 00000             | USB | (AB/HG=FD)   |
| S06s | 6190  | 13-3 | 1100 | Thu | 754 938 6 37661 30885 48702 38344 48334 85371 938 6 00000             | USB | (AB/MPJ)     |
| S06s | 7230  | 13-3 | 1110 | Thu | 754 938 6 37661 30885 48702 38344 48334 85371 938 6 00000             | USB | (AB/MPJ/HFD) |
| S06s | 6464  | 13-3 | 1500 | Thu | 537 480 6 44745 16330 88418 90980 88650 34303 480 6 00000             | USB | (AB)         |
| S06s | 7242  | 13-3 | 1510 | Thu | 537 480 6 44745 16330 88418 90980 88650 34303 480 6 00000             | USB | (AB/MPJ)     |
| S06s | 8630  | 14-3 | 0820 | Wed | 471 506 8 46062 68672 97478 39685 30485 96632 52537 53317 506 8 00000 | USB | (AB)         |
| S06s | 9082  | 14-3 | 0830 | Wed | 464 258 7 21767 53672 11834 81022 36903 41422 64385 258 7 00000       | USB | (AB)         |
| S06s | 9255  | 14-3 | 0830 | Wed | 471 506 8 46062 68672 97478 39685 30485 96632 52537 53317 506 8 00000 | USB | (AB/HFD)     |
| S06s | 11530 | 14-3 | 0830 | Wed | 745 261 8 52401 63919 92699 14600 74248 48754 65125 41879 261 8 00000 | USB | (AB)         |
| S06s | 9952  | 14-3 | 0840 | Wed | 464 258 7 21767 53672 11834 81022 36903 41422 64385 258 7 00000       | USB | (AB)         |
| S06s | 12140 | 14-3 | 0840 | Wed | 745 261 8 52401 63919 92699 14600 74248 48754 65125 41879 261 8 00000 | USB | (AB)         |
| S06s | 13365 | 14-3 | 1000 | Wed | 729 538 6 88620 58069 61732 74537 57440 10598 538 6 00000             | USB | (AB/HFD)     |
| S06s | 14505 | 14-3 | 1010 | Wed | 729 538 6 88620 58069 61732 74537 57440 10598 538 6 00000             | USB | (AB/HFD)     |
| S06s | 9081  | 15-3 | 0930 | Thu | 314 209 5 24272 41726 84770 11405 06566 209 5 00000                   | USB | (AB)         |

|      |       |      |      |     |                                                                       |     |              |
|------|-------|------|------|-----|-----------------------------------------------------------------------|-----|--------------|
| S06s | 10514 | 15-3 | 0940 | Thu | 314 209 5 24272 41726 84770 11405 06566 209 5 00000                   | USB | (AB)         |
| S06s | 12415 | 15-3 | 1200 | Thu | 425 809 6 51658 58262 06474 58630 68661 14514 809 6 00000             | USB | (AB/MPJ)     |
| S06s | 14212 | 15-3 | 1210 | Thu | 425 809 6 51658 58262 06474 58630 68661 14514 809 6 00000             | USB | (AB/MPJ)     |
| S06s | 5744  | 16-3 | 0900 | Fri | 624 879 5 42208 25929 47224 33840 48075 879 5 00000                   | USB | (AB)         |
| S06s | 6524  | 16-3 | 0910 | Fri | 624 879 5 42208 25929 47224 33840 48075 879 5 00000                   | USB | (AB)         |
| S06s | 12140 | 16-3 | 0930 | Fri | 516 942 7 49314 47194 40583 33705 22292 44266 84320 942 7 00000       | USB | (AnEur)      |
| S06s | 13515 | 16-3 | 0940 | Fri | 516 942 7 49314 47194 40583 33705 22292 44266 84320 942 7 00000       | USB | (AnEur)      |
| S06s | 9220  | 19-3 | 0830 | Mon | 371 485 6 46062 68672 97478 39685 30485 96632 485 6 00000             | USB | (AB/HFD)     |
| S06s | 8270  | 19-3 | 0840 | Mon | 371 485 6 46062 68672 97478 39685 30485 96632 485 6 00000             | USB | (AB/HFD)     |
| S06s | 14580 | 19-3 | 0900 | Mon | 872 463 5 21767 53672 11834 81022 36903 463 5 00000                   | USB | (AB-UKR/HFD) |
| S06s | 13165 | 19-3 | 0910 | Mon | 872 463 5 21767 53672 11834 81022 36903 463 5 00000                   | USB | (AB)         |
| S06s | 9145  | 19-3 | 1200 | Mon | 831 405 6 52401 63919 92699 14600 74248 48754 405 6 00000             | USB | (AB/MPJ)     |
| S06s | 11460 | 19-3 | 1210 | Mon | 831 405 6 52401 63919 92699 14600 74248 48754 405 6 00000             | USB | (AB/MPJ)     |
| S06s | 15855 | 20-3 | 0600 | Thu | 438 291 5 35415 40864 38771 39943 40136 291 5 00000                   | USB | (AB-UKR)     |
| S06s | 16485 | 20-3 | 0610 | Thu | 438 291 5 35415 40864 38771 39943 40136 291 5 00000                   | USB | (AB-UKR)     |
| S06s | 5760  | 20-3 | 0700 | Thu | 374 819 5 40328 35929 47234 33940 48075 819 5 00000                   | USB | (AB)         |
| S06s | 6930  | 20-3 | 0715 | Thu | 374 819 5 40328 35929 47234 33940 48075 819 5 00000                   | USB | (AB)         |
| S06s | 7425  | 20-3 | 0730 | Thu | 427 951 6 71711 58346 70728 32160 26352 08282 951 6 00000             | USB | (AB)         |
| S06s | 11560 | 20-3 | 0740 | Thu | 427 951 6 71711 58346 70728 32160 26352 08282 951 6 00000             | USB | (AB)         |
| S06s | 11635 | 20-3 | 0800 | Thu | 352 917 6 42036 09394 92918 35601 55121 19941 917 6 00000             | USB | (AB)         |
| S06s | 10420 | 20-3 | 0810 | Thu | 352 917 6 42036 09394 92918 35601 55121 19941 917 6 00000             | USB | (AB)         |
| S06s | 6410  | 20-3 | 1000 | Thu | 893 405 6 10471 36598 34348 38331 82214 47755 405 6 00000             | USB | (AB-POL)     |
| S06s | 7340  | 20-3 | 1010 | Thu | 893 405 6 10471 36598 34348 38331 82214 47755 405 6 00000             | USB | (AB)         |
| S06s | 6190  | 20-3 | 1100 | Thu | 754 216 8 31209 78591 53753 57310 03140 60339 51871 87170 216 8 00000 | USB | (MPJ)        |
| S06s | 7230  | 20-3 | 1110 | Thu | 754 216 8 31209 78591 53753 57310 03140 60339 51871 87170 216 8 00000 | USB | (AB/MPJ)     |
| S06s | 6464  | 20-3 | 1500 | Thu | 537 261 8 81978 89663 53276 95842 36410 48525 75761 95920 261 8 00000 | USB | (AB-AUT/MPJ) |
| S06s | 7242  | 20-3 | 1510 | Thu | 537 261 8 81978 89663 53276 95842 36410 48525 75761 95920 261 8 00000 | USB | (AB-AUT/MPJ) |
| S06s | 8630  | 21-3 | 0820 | Wed | 471 508 6 48318 30605 43003 83659 86760 36014 508 6 00000             | USB | (AB)         |
| S06s | 9082  | 21-3 | 0830 | Wed | 464 912 5 11394 30307 31450 38153 39650 912 5 00000                   | USB | (AB)         |
| S06s | 9255  | 21-3 | 0830 | Wed | 471 508 6 48318 30605 43003 83659 86760 36014 508 6 00000             | USB | (AB)         |
| S06s | 11530 | 21-3 | 0830 | Wed | 745 981 6 82333 36958 39423 48076 33739 53821 981 6 00000             | USB | (AB/HFD)     |
| S06s | 9952  | 21-3 | 0840 | Wed | 464 912 5 11394 30307 31450 38153 39650 912 5 00000                   | USB | (AB)         |
| S06s | 12140 | 21-3 | 0840 | Wed | 745 981 6 82333 36958 39423 48076 33739 53821 981 6 00000             | USB | (AB/HFD)     |
| S06s | 13365 | 21-3 | 1000 | Wed | 729 501 6 92971 30490 46481 44987 37393 89598 501 6 00000             | USB | (AB)         |
| S06s | 14505 | 21-3 | 1010 | Wed | 729 501 6 92971 30490 46481 44987 37393 89598 501 6 00000             | USB | (AB)         |
| S06s | 5065  | 21-3 | 1225 | Wed | 274 925 8 93474 44174 33083 13833 95254 92087 36704 52452 925 8 00000 | USB | (kalv)       |
| S06s | 6825  | 21-3 | 1245 | Wed | 274 925 8 93474 44174 33083 13833 95254 92087 36704 52452 925 8 00000 | USB | (kalv)       |
| S06s | 9081  | 22-3 | 0930 | Thu | 314 209 5 24272 41726 84770 11405 06566 209 5 00000                   | USB | (AB)         |
| S06s | 10514 | 22-3 | 0940 | Thu | 314 209 5 24272 41726 84770 11405 06566 209 5 00000                   | USB | (AB)         |
| S06s | 12415 | 22-3 | 1200 | Thu | 425 809 6 51658 58262 06474 58630 68661 14514 809 6 00000             | USB | (AB/MPJ)     |

|      |       |      |      |     |                                                                                                 |     |           |
|------|-------|------|------|-----|-------------------------------------------------------------------------------------------------|-----|-----------|
| S06s | 5744  | 23-3 | 0900 | Fri | 624 879 5 42208 25929 47224 33840 48075 879 5 00000                                             | USB | (AB)      |
| S06s | 5744  | 23-3 | 0900 | Fri | 624 879 5 42208 25929 47224 33840 48075 879 5 00000                                             | USB | (AB)      |
| S06s | 6524  | 23-3 | 0910 | Fri | 624 879 5 42208 25929 47224 33840 48075 879 5 00000                                             | USB | (AB)      |
| S06s | 6524  | 23-3 | 0910 | Fri | 624 879 5 42208 25929 47224 33840 48075 879 5 00000                                             | USB | (AB)      |
| S06s | 12140 | 23-3 | 0930 | Fri | 516 942 7 49314 47194 40583 33705 22292 44266 84320 942 7 00000                                 | USB | (AB)      |
| S06s | 13515 | 23-3 | 0940 | Fri | 516 942 7 49314 47194 40583 33705 22292 44266 84320 942 7 00000                                 | USB | (AB)      |
| S06s | 9220  | 26-3 | 0830 | Mon | 371 485 6 46062 68672 97478 39685 30485 96632 485 6 00000                                       | USB | (AB)      |
| S06s | 8270  | 26-3 | 0840 | Mon | 371 485 6 46062 68672 97478 39685 30485 96632 485 6 00000                                       | USB | (AB)      |
| S06s | 14580 | 26-3 | 0900 | Mon | 872 463 5 21767 53672 11834 81022 36903 463 5 00000                                             | USB | (AB-IRL)  |
| S06s | 13165 | 26-3 | 0910 | Mon | 872 463 5 21767 53672 11834 81022 36903 463 5 00000                                             | USB | (AB/HFD)  |
| S06s | 15855 | 27-3 | 0600 | Tue | 438 291 5 35415 40864 38771 39943 40136 291 5 00000                                             | USB | (HFD)     |
| S06s | 16485 | 27-3 | 0610 | Tue | 438 291 5 35415 40864 38771 39943 40136 291 5 00000                                             | USB | (HFD-CHN) |
| S06s | 5760  | 27-3 | 0700 | Thu | 374 819 5 40328 35929 47234 33940 48075 819 5 00000                                             | USB | (AB)      |
| S06s | 6930  | 27-3 | 0715 | Thu | 374 819 5 40328 35929 47234 33940 48075 819 5 00000                                             | USB | (AB)      |
| S06s | 7425  | 27-3 | 0730 | Thu | 427 951 6 71711 58346 70728 32160 26352 08282 951 6 00000                                       | USB | (AB)      |
| S06s | 11560 | 27-3 | 0740 | Thu | 427 951 6 71711 58346 70728 32160 26352 08282 951 6 00000                                       | USB | (AB)      |
| S06s | 11635 | 27-3 | 0800 | Thu | 352 917 6 42036 09394 92918 35601 55121 19941 917 6 00000                                       | USB | (AB)      |
| S06s | 10420 | 27-3 | 0810 | Thu | 352 917 6 42036 09394 92918 35601 55121 19941 917 6 00000                                       | USB | (AB)      |
| S06s | 6410  | 27-3 | 1000 | Thu | 893 405 6 10471 36598 34348 38331 82214 47755 405 6 00000                                       | USB | (AB/MPJ)  |
| S06s | 7340  | 27-3 | 1010 | Thu | 893 405 6 10471 36598 34348 38331 82214 47755 405 6 00000                                       | USB | (AB/MPJ)  |
| S06s | 6190  | 27-3 | 1100 | Thu | 754 216 8 31209 78591 53753 57310 03140 60339 51871 87170 216 8 00000                           | USB | (AB)      |
| S06s | 7230  | 27-3 | 1110 | Thu | 754 216 8 31209 78591 53753 57310 03140 60339 51871 87170 216 8 00000                           | USB | (AB/MPJ)  |
| S06s | 6464  | 27-3 | 1500 | Thu | 537 261 8 81978 89663 53276 95842 36410 48525 75761 95920 261 8 00000                           | USB | (AB-AUT)  |
| S06s | 7242  | 27-3 | 1510 | Thu | 537 261 8 81978 89663 53276 95842 36410 48525 75761 95920 261 8 00000                           | USB | (AB-AUT)  |
| S06s | 8630  | 28-3 | 0820 | Wed | 471 508 6 48318 30605 43003 83659 86760 36014 508 6 00000                                       | USB | (AB)      |
| S06s | 9082  | 28-3 | 0830 | Wed | 464 912 5 11394 30307 31450 38153 39650 912 5 00000                                             | USB | (AB)      |
| S06s | 9255  | 28-3 | 0830 | Wed | 471 508 6 48318 30605 43003 83659 86760 36014 508 6 00000                                       | USB | (AB)      |
| S06s | 11530 | 28-3 | 0830 | Wed | 745 981 6 82333 36958 39423 48076 33739 53821 981 6 00000                                       | USB | (AB)      |
| S06s | 9952  | 28-3 | 0840 | Wed | 464 912 5 11394 30307 31450 38153 39650 912 5 00000                                             | USB | (AB)      |
| S06s | 12140 | 28-3 | 0840 | Wed | 745 981 6 82333 36958 39423 48076 33739 53821 981 6 00000                                       | USB | (AB)      |
| S06s | 13365 | 28-3 | 1000 | Wed | 729 501 6 92971 30490 46481 44987 37393 89598 501 6 00000                                       | USB | (AB/MPJ)  |
| S06s | 14505 | 28-3 | 1010 | Wed | 729 501 6 92971 30490 46481 44987 37393 89598 501 6 00000                                       | USB | (AB/MPJ)  |
| S06s | 9081  | 29-3 | 0930 | Thu | 314 314 314 00000                                                                               | USB | (AB)      |
| S06s | 10514 | 29-3 | 0940 | Thu | 314 314 314 00000                                                                               | USB | (AB)      |
| S06s | 12415 | 29-3 | 1200 | Thu | 425 425 425 00000                                                                               | USB | (AB/MPJ)  |
| S06s | 14212 | 29-3 | 1209 | Thu | 425 425 425 00000 Early start                                                                   | USB | (AB/MPJ)  |
| S06s | 12140 | 30-3 | 0930 | Fri | 516 516 516 00000                                                                               | USB | (AB)      |
| S06s | 13515 | 30-3 | 0940 | Fri | 516 516 516 00000                                                                               | USB | (AB)      |
| S11a | 9960  | 2-3  | 1020 | Fri | 423/47 Vnimanaye 06008 93989 74138 ... 64183 74891 73192 Vnimanaye (message repeated)<br>konets | USB | (AB/HFD)  |

|             |       |      |      |     |                                                                                                 |     |               |
|-------------|-------|------|------|-----|-------------------------------------------------------------------------------------------------|-----|---------------|
| <b>S11a</b> | 4016  | 2-3  | 1955 | Fri | 373/00                                                                                          | USB | (AB/MPJ/HFD)  |
| <b>S11a</b> | 4146  | 2-3  | 2100 | Fri | 121/30 Vnimanije 56985 ...                                                                      | USB | (HFD)         |
| <b>S11a</b> | 10800 | 3-3  | 1540 | Sat | 564/00                                                                                          | USB | (AB/MPJ/HFD)  |
| <b>S11a</b> | 10213 | 3-3  | 1850 | Sat | 287/00                                                                                          | USB | (AB/MPJ/HFD)  |
| <b>S11a</b> | 5344  | 4-3  | 2050 | Sun | 587/00                                                                                          | USB | (HFD)         |
| <b>S11a</b> | 5358  | 6-3  | 0455 | Thu | 326/31 Vnimanije 25891 85094 16100 ... 94674 21866 46271 Vnimanije (message repeated)<br>konets | USB | (AB)          |
| <b>S11a</b> | 13537 | 6-3  | 0735 | Tue | 382/00                                                                                          | USB | (HFD)         |
| <b>S11a</b> | 10800 | 7-3  | 1540 | Wed | 566/00                                                                                          | USB | (AB/GHn/MPJ)  |
| <b>S11a</b> | 10213 | 7-3  | 1850 | Wed | 288/00                                                                                          | USB | (AB/MPJ)      |
| <b>S11a</b> | 4016  | 7-3  | 1955 | Wed | 372/38 Vnimanije 23566 12887 60398 ... 52593 69233 82066 Vnimanije (message repeated)<br>konets | USB | (AB/MPJ/kris) |
| <b>S11a</b> | 5344  | 7-3  | 2050 | Wed | 483/00                                                                                          | USB | (AB/kris)     |
| <b>S11a</b> | 9960  | 9-3  | 1020 | Fri | 422/00                                                                                          | USB | (AB)          |
| <b>S11a</b> | 4016  | 9-3  | 1955 | Fri | 372/38 Vnimanije 23566 12887 60398 ... 52593 69233 82066 Vnimanije (message repeated)<br>konets | USB | (AB/MPJ)      |
| <b>S11a</b> | 10800 | 10-3 | 1540 | Sat | 566/00                                                                                          | USB | (MPJ)         |
| <b>S11a</b> | 10213 | 10-3 | 1850 | Sat | 281/00                                                                                          | USB | (AB)          |
| <b>S11a</b> | 5344  | 11-3 | 2050 | Sun | 482/00                                                                                          | USB | (AB)          |
| <b>S11a</b> | 5358  | 13-3 | 0455 | Thu | 329/00                                                                                          | USB | (AB)          |
| <b>S11a</b> | 9960  | 13-3 | 1020 | Thu | 429/00                                                                                          | USB | (AB)          |
| <b>S11a</b> | 10800 | 14-3 | 1540 | Wed | 565/00                                                                                          | USB | (AB/MPJ)      |
| <b>S11a</b> | 10213 | 14-3 | 1850 | Wed | 281/36 Vnimanije 56544 76849 12411 ... 31444 76689 21356                                        | USB | (MPJ)         |
| <b>S11a</b> | 4016  | 14-3 | 1955 | Wed | 379/00                                                                                          | USB | (AB/MPJ)      |
| <b>S11a</b> | 13537 | 15-3 | 0735 | Thu | 383/39 Vnimanije 18012 50096 69620 ... 70323 99033 18527 Vnimanije (message repeated)<br>konets | USB | (AB/HFD)      |
| <b>S11a</b> | 5358  | 16-3 | 0455 | Fri | 322/00                                                                                          | USB | (AB)          |
| <b>S11a</b> | 9960  | 16-3 | 1020 | Fri | 421/00                                                                                          | USB | (AB)          |
| <b>S11a</b> | 4016  | 16-3 | 1955 | Fri | 373/00                                                                                          | USB | (AB/MPJ/Kris) |
| <b>S11a</b> | 10800 | 17-3 | 1540 | Sat | 566/00                                                                                          | USB | (MPJ)         |
| <b>S11a</b> | 10213 | 17-3 | 1850 | Sat | 281/36 Vnimanije 56544 76849 12411 ... 31444 76689 21356 Vnimanije (message repeated)<br>konets | USB | (AB)          |
| <b>S11a</b> | 5344  | 18-3 | 2050 | Sun | 487/37 Vnimanije 11094 19190 69588 ... 75658 37463 80797 Vnimanije (message repeated)<br>konets | USB | (AB)          |
| <b>S11a</b> | 13537 | 20-3 | 0735 | Tue | 386/00                                                                                          | USB | (HFD)         |
| <b>S11a</b> | 9960  | 20-3 | 1020 | Thu | 420/00                                                                                          | USB | (AB)          |
| <b>S11a</b> | 10800 | 21-3 | 1540 | Wed | 569/00                                                                                          | USB | (AB/MPJ)      |
| <b>S11a</b> | 10213 | 21-3 | 1850 | Wed | 284/00                                                                                          | USB | (AB/MPJ)      |
| <b>S11a</b> | 4016  | 21-3 | 1955 | Wed | 372/00                                                                                          | USB | (AB/MPJ)      |
| <b>S11a</b> | 5344  | 21-3 | 2050 | Wed | 483/00                                                                                          | USB | (AB)          |



|             |       |      |      |     |                                                                                                                       |     |              |
|-------------|-------|------|------|-----|-----------------------------------------------------------------------------------------------------------------------|-----|--------------|
| <b>S11a</b> | 13537 | 22-3 | 0735 | Thu | 381/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 5358  | 23-3 | 0455 | Fri | 329/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 9960  | 23-3 | 1020 | Fri | 421/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 9960  | 23-3 | 1020 | Fri | 421/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 4016  | 23-3 | 1955 | Fri | 370/00                                                                                                                | USB | (AB/MPJ)     |
| <b>S11a</b> | 10800 | 24-3 | 1540 | Sat | 561/00                                                                                                                | USB | (AB/MPJ)     |
| <b>S11a</b> | 10213 | 24-3 | 1850 | Sat | 280/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 5344  | 25-3 | 2050 | Sun | 487/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 5358  | 27-3 | 0455 | Thu | 327/00                                                                                                                | USB | (AB/HFD)     |
| <b>S11a</b> | 9960  | 27-3 | 1020 | Thu | 425/00                                                                                                                | USB | (AB/MPJ)     |
| <b>S11a</b> | 10800 | 28-3 | 1540 | Wed | 561/35 Vnmaniye 57855 08358 65639 ... 55702 98165 56082 Vnmaniye (message repeated)<br>Konets                         | USB | (AB/GHn/MPJ) |
| <b>S11a</b> | 10213 | 28-3 | 1850 | Wed | 284/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 4016  | 28-3 | 1955 | Wed | 378/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 5344  | 28-3 | 2050 | Wed | 480/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 13537 | 29-3 | 0735 | Thu | 389/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 5358  | 30-3 | 0455 | Fri | 321/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 4016  | 30-3 | 1955 | Fri | 379/00                                                                                                                | USB | (AB)         |
| <b>S11a</b> | 10800 | 31-3 | 1540 | Sat | 561/35 Vnmaniye 57855 08358 65639 ... 55702 98165 56082 Vnmaniye (message repeated)<br>Konets                         | USB | (AB/GHn)     |
| <b>S11a</b> | 10213 | 31-3 | 1850 | Sat | 288/00                                                                                                                | USB | (AB/MPJ)     |
| <b>S30</b>  | 5448  | 1-3  | 1535 | Thu | 871SHCH 05921 AMUROPAL 30 50 14 69                                                                                    | USB | (AnEur)      |
| <b>S32</b>  | 5473  | 1-3  | 1540 | Thu | AL'FA45 74260 GOLBOID 78 45 32 56                                                                                     | USB | (AnEur)      |
| <b>S32</b>  | 5473  | 1-3  | 1605 | Thu | AL'FA45 71761 ZHRETSOSHTAT 25 89 98 74                                                                                | USB | (AnEur)      |
| <b>UM03</b> | 8410  | 7-3  | 0903 | Wed | i.p. AR 11 11 CK 100 CK 100 TIME 1603 TIME 1603 DATE 0703 DATE 0703 = U7D45 D43AN<br>73.T6 N5A7U 4U5A7 D4T75 (Cont'd) | CW  | (JPL-CHN)    |
| <b>UM03</b> | 8250  | 13-3 | 0739 | Thu | i.p. 15 15 CK 100 CK 100 TIME 1442 TIME 1442 DATE 1303 DATE 1303 = RGIXA JYAPH TVKMB<br>KNCET ... //8410 kHz          | CW  | (JPL-CHN)    |
| <b>UM03</b> | 8410  | 13-3 | 0739 | Thu | i.p. 15 15 CK 100 CK 100 TIME 1442 TIME 1442 DATE 1303 DATE 1303 = RGIXA JYAPH TVKMB<br>KNCET ... //8250 kHz          | CW  | (JPL-CHN)    |
| <b>UM03</b> | 4390  | 20-3 | 1110 | Thu | i.p. K. QRU QRU S78 75778 SK SK                                                                                       | CW  | (JPL-KOR)    |
| <b>UM10</b> | 3326  | 5-3  | 1957 | Mon | 10-minutes net: U34D //4112 kHz                                                                                       | CW  | (JPL-KOR)    |
| <b>UM10</b> | 4112  | 5-3  | 1957 | Mon | 10-minutes net: U34D //3326 kHz                                                                                       | CW  | (JPL-KOR)    |
| <b>UM10</b> | 3326  | 6-3  | 1421 | Thu | 10-minutes net: U34D //4112 kHz                                                                                       | CW  | (JPL-CHN)    |
| <b>UM10</b> | 4112  | 6-3  | 1421 | Thu | 10-minutes net: U34D //3326 kHz                                                                                       | CW  | (JPL-CHN)    |
| <b>UM10</b> | 4112  | 12-3 | 1524 | Mon | 10-minutes net: U34D                                                                                                  | CW  | (JPL-KOR)    |
| <b>UM10</b> | 3326  | 16-3 | 1956 | Fri | 10-minutes net: U34D //4112 kHz                                                                                       | CW  | (JPL-CHN)    |
| <b>UM10</b> | 4112  | 16-3 | 1956 | Fri | 10-minutes net: U34D //3326 kHz                                                                                       | CW  | (JPL-CHN)    |
| <b>V07</b>  | 18174 | 4-3  | 0100 | Sun | 183 183 183 000                                                                                                       | USB | (Dan)        |
| <b>V07</b>  | 15874 | 4-3  | 0120 | Sun | 183 183 183 000                                                                                                       | USB | (Dan/MDK2)   |

|      |       |      |      |     |                                                                                                                                |     |                  |
|------|-------|------|------|-----|--------------------------------------------------------------------------------------------------------------------------------|-----|------------------|
| V07  | 18174 | 11-3 | 0100 | Sun | 183 183 183 1 5669 51 31935 62161 53073 ... 80947 000 000                                                                      | USB | (Dan)            |
| V07  | 15874 | 11-3 | 0120 | Sun | 183 183 183 1 5669 51 31935 62161 53073 ... 80947 000 000                                                                      | USB | (Dan)            |
| V07  | 14374 | 11-3 | 0140 | Sun | 183 183 183 1 5669 51 31935 62161 53073 ... 80947 000 000                                                                      | USB | (Dan)            |
| V07  | 18174 | 18-3 | 0100 | Sun | 183 183 183 000                                                                                                                | USB | (Dan-USA)        |
| V07  | 15874 | 18-3 | 0120 | Sun | 183 183 183 000                                                                                                                | USB | (Dan-USA)        |
| V07  | 18174 | 25-3 | 0100 | Sun | 183 183 183 1 3335 4? ?2220 92288 96367 ...                                                                                    | USB | (Dan)            |
| V07  | 15874 | 25-3 | 0120 | Sun | 183 183 183 1 3335 4? ?2220 92288 96367 ...                                                                                    | USB | (Dan)            |
| V07  | 14374 | 25-3 | 0140 | Sun | 183 183 183 1 3335 4? ?2220 92288 96367 ...                                                                                    | USB | (Dan)            |
| V15  | 3320  | 10-3 | 1515 | Sat | North Korean intelligence via PBS Pyongyang Pansong. Message in Korean                                                         | AM  | (Amano)          |
| V15  | 3320  | 15-3 | 1615 | Thu | North Korean intelligence via PBS Pyongyang Pansong. Message in Korean                                                         | AM  | (Amano)          |
| V15  | 621   | 24-3 | 1515 | Sat | North Korean intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean //657, 3320 kHz                     | AM  | (AB-KOR)         |
| V15  | 657   | 24-3 | 1515 | Sat | North Korean intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean //621, 3320 kHz                     | AM  | (AB-KOR)         |
| V15  | 3320  | 24-3 | 1515 | Sat | North Korean intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean //621, 657 kHz                      | AM  | (AB-KOR/CM2-KOR) |
| V15  | 720   | 29-3 | 1615 | Thu | North Korean intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean. 720//801//855/3320 kHz             | AM  | (AB-KOR)         |
| V15  | 801   | 29-3 | 1615 | Thu | North Korean intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean. 720//801//855/3320 kHz             | AM  | (AB-KOR)         |
| V15  | 855   | 29-3 | 1615 | Thu | North Korean intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean. 720//801//855/3320 kHz             | AM  | (AB-KOR)         |
| V15  | 3320  | 29-3 | 1615 | Thu | North Korean intelligence via PBS Pyongyang Pansong. Music followed by a message in Korean. 720//801//855/3320 kHz             | AM  | (AB-KOR)         |
| V24  | 6310  | 8-3  | 1530 | Thu | Korean pop song, follow by message in Korean by OM. At 1536z: I will repeat that. At 1539z: That's all thanks (both in Korean) | AM  | (CM2)            |
| V24  | 5715  | 19-3 | 1500 | Mon | Music followed by a message in Korean                                                                                          | AM  | (AB-KOR)         |
| V26  | 4243  | 5-3  | 1210 | Mon | Messages in Chinese //9054                                                                                                     | USB | (JPL)            |
| V26  | 9054  | 5-3  | 1210 | Mon | Messages in Chinese //4243                                                                                                     | USB | (JPL)            |
| V26  | 4243  | 30-3 | 1210 | Fri | Messages in Chinese. Female operator //9054                                                                                    | USB | (JPL)            |
| V26  | 9054  | 30-3 | 1210 | Fri | Messages in Chinese. Female operator //4243                                                                                    | USB | (JPL)            |
| V28  | 4463  | 4-3  | 2237 | Sun | Parrot. Messages in Korean. Female operator                                                                                    | AM  | (HK)             |
| V28  | 4494  | 31-3 | 2230 | Sat | Parrot. Messages in Korean. Female operator                                                                                    | AM  | (HK)             |
| V28  | 4628  | 31-3 | 2230 | Sat | Parrot. Messages in Korean. Female operator                                                                                    | AM  | (HK)             |
| V28  | 4960  | 31-3 | 2230 | Sat | Parrot. Messages in Korean. Female operator                                                                                    | AM  | (HK)             |
| V28  | 5169  | 31-3 | 2230 | Sat | Parrot. Messages in Korean. Female operator                                                                                    | AM  | (HK)             |
| VC01 | 7838  | 4-3  | 0637 | Sun | Chinese Robot i.p.                                                                                                             | USB | (AB-KOR)         |
| VC01 | 4783  | 11-3 | 1333 | Sun | Chinese Robot i.p.                                                                                                             | USB | (LA6LU)          |
| VC01 | 5262  | 12-3 | 0514 | Mon | Chnise Robot i.p.                                                                                                              | LSB | (AB-CHN)         |
| VC01 | 6572  | 20-3 | 0311 | Thu | Chinese Robot                                                                                                                  | USB | (BW3-J)          |



|      |       |      |      |     |                                                                                                             |              |             |
|------|-------|------|------|-----|-------------------------------------------------------------------------------------------------------------|--------------|-------------|
| VC01 | 5262  | 23-3 | 0515 | Fri | Chinese Robot i.p.                                                                                          | LSB          | (AB-CHN)    |
| VC01 | 6572  | 23-3 | 0515 | Fri | Chinese Robot i.p.                                                                                          | USB          | (AB-CHN)    |
| VC01 | 5262  | 26-3 | 0457 | Mon | Chinese Robot                                                                                               | LSB          | (AB-CHN)    |
| VC01 | 6572  | 26-3 | 0457 | Mon | Chinese Robot                                                                                               | USB          | (AB-CHN)    |
| VC01 | 6572  | 27-3 | 0938 | Thu | Chinese Robot i.p.                                                                                          | USB          | (LA6LU-TWN) |
| VC01 | 4783  | 27-3 | 1430 | Thu | Chinese Robot i.p.                                                                                          | USB          | (LA6LU-TWN) |
| X06  | 12186 | 7-3  | 0806 | Wed | Mazielka. Sequence: 214356. Ended at 0811 UTC                                                               | MFSK-6       | (AB)        |
| X06  | 14655 | 14-3 | 0812 | Wed | Mazielka. Sequence: 164253. Ended 0840z                                                                     | MFSK-6       | (AB)        |
| X06  | 11483 | 14-3 | 0837 | Wed | Mazielka. Sequence: 412356. Ended 0844z                                                                     | MFSK-6       | (AB)        |
| X06  | 18667 | 16-3 | 1240 | Fri | Mazielka. Sequence: 111245 Before XPA2                                                                      | MFSK-6       | (Dan)       |
| X06  | 6875  | 16-3 | 2051 | Fri | Mazielka. Sequence: 645321                                                                                  | MFSK-6       | (Danix)     |
| X06  | 6877  | 16-3 | 2053 | Fri | Mazielka, ends at 201 UTC                                                                                   | MFSK-6       | (kris)      |
| X06  | 10270 | 19-3 | 1635 | Mon | Mazielka. Sequence: 532614                                                                                  | MFSK-6       | (Danix)     |
| X06  | 16223 | 22-3 | 0947 | Thu | Mazielka. Sequence: 164532 before 66-tone MFSK which started at 0959 UTC, centered on the carrier frequency | MFSK-6       | (Danix)     |
| X06  | 14440 | 22-3 | 1202 | Thu | Mazielka. Sequence: 564213                                                                                  | MFSK-6       | (PBS)       |
| X06  | 12153 | 28-3 | 0630 | Wed | Mazielka. Sequence: 666443                                                                                  | MFSK-6       | (AB)        |
| X06  | 12153 | 28-3 | 0632 | Wed | Mazielka. Sequence: 666443                                                                                  | MFSK-6       | (AB)        |
| X06  | 12153 | 28-3 | 0637 | Wed | Mazielka. Sequence: 111666                                                                                  | MFSK-6       | (AB)        |
| X06  | 12153 | 28-3 | 0642 | Wed | Mazielka. Sequence: 111666, interfering with E11                                                            | MFSK-6       | (AB)        |
| X06  | 10814 | 28-3 | 0737 | Wed | Mazielka. Sequence: 412356                                                                                  | MFSK-6       | (ES)        |
| X06a | 18667 | 16-3 | 1215 | Fri | Mazielka. Sequence: 161616 Before XPA2                                                                      | MFSK-6       | (Dan)       |
| X06a | 16138 | 25-3 | 1400 | Sun | Mazielka before XPA2                                                                                        | MFSK-6       | (Dan)       |
| X06a | 16138 | 25-3 | 1406 | Sun | Mazielka before XPA2                                                                                        | MFSK-6       | (Dan)       |
| X06b | 16138 | 4-3  | 1403 | Sun | Mazielka before XPA2                                                                                        | MFSK-6       | (Dan)       |
| X06b | 16138 | 11-3 | 1401 | Sun | Mazielka. Sequence: 111666                                                                                  | MFSK-6       | (Dan)       |
| X06b | 16138 | 11-3 | 1404 | Sun | Mazielka. Sequence: 111666                                                                                  | MFSK-6       | (Dan)       |
| X06b | 18667 | 17-3 | 1305 | Sat | Mazielka. Sequence: 111245 befor XPA2                                                                       | MFSK-6       | (Dan)       |
| X06b | 18667 | 17-3 | 1312 | Sat | Mazielka. Sequence: 111245 befor XPA2                                                                       | MFSK-6       | (Dan)       |
| X06b | 18667 | 17-3 | 1317 | Sat | Mazielka. Sequence: 111245 befor XPA2                                                                       | MFSK-6       | (Dan)       |
| X06b | 7516  | 22-3 | 2011 | Thu | Mazielka. Sequence: 111666 before E07                                                                       | MFSK-6       | (AB)        |
| X06b | 12155 | 26-3 | 0638 | Mon | Mazielka i.p. Sequence: 111666                                                                              | MFSK-6       | (AB)        |
| X06b | 9135  | 26-3 | 1042 | Mon | Mazielka i.p. Sequence: 111666                                                                              | MFSK-6       | (AB)        |
| X06b | 10779 | 26-3 | 1502 | Mon | Mazielka. Sequence: 111666                                                                                  | MFSK-6       | (ES)        |
| X06b | 12155 | 26-3 | 1622 | Mon | Mazielka. Sequence: 111666                                                                                  | MFSK-6       | (ES)        |
| XPA  | 11409 | 5-3  | 0700 | Mon | 456 456 456 000 01626 00001 00000 37253                                                                     | MFSK-20/10Bd | (AB)        |
| XPA  | 13509 | 5-3  | 0720 | Mon | 456 456 456 000 01626 00001 00000 37253                                                                     | MFSK-20/10Bd | (AB)        |
| XPA  | 14609 | 5-3  | 0740 | Mon | 456 456 456 000 01626 00001 00000 37253                                                                     | MFSK-20/10Bd | (AB)        |
| XPA  | 11409 | 7-3  | 0700 | Wed | 456 456 456 000 06987 00001 00000 41266                                                                     | MFSK-20/10Bd | (AB)        |
| XPA  | 13509 | 7-3  | 0720 | Wed | 456 456 456 000 06987 00001 00000 41266                                                                     | MFSK-20/10Bd | (AB)        |

|             |       |      |      |     |                                                       |              |                   |
|-------------|-------|------|------|-----|-------------------------------------------------------|--------------|-------------------|
| <b>XPA</b>  | 14609 | 7-3  | 0740 | Wed | 456 456 456 000 06987 00001 00000 41266               | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 11409 | 12-3 | 0700 | Mon | 456 456 456 1 00249 00079 90556 ... 98454 16124 70246 | MFSK-20/10Bd | (AB/HFD)          |
| <b>XPA</b>  | 13509 | 12-3 | 0720 | Mon | 456 456 456 1 00249 00079 90556 ... 98454 16124 70246 | MFSK-20/10Bd | (AB/HFD)          |
| <b>XPA</b>  | 14609 | 12-3 | 0740 | Mon | 456 456 456 1 00249 00079 90556 ... 98454 16124 70246 | MFSK-20/10Bd | (AB/HFD)          |
| <b>XPA</b>  | 11409 | 14-3 | 0700 | Wed | 456 456 456 1 00249 00079 90556 ... 98454 16124 70246 | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 13509 | 14-3 | 0720 | Wed | 456 456 456 1 00249 00079 90556 ... 98454 16124 70246 | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 14609 | 14-3 | 0740 | Wed | 456 456 456 1 00249 00079 90556 ... 98454 16124 70246 | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 11409 | 19-3 | 0700 | Mon | 456 456 456 000 08810 00001 00000 35261               | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 13509 | 19-3 | 0720 | Mon | 456 456 456 000 08810 00001 00000 35261               | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 14609 | 19-3 | 0740 | Mon | 456 456 456 000 08810 00001 00000 35261               | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 11409 | 21-3 | 0700 | Wed | 456 456 456 000 07422 00001 00000 34261               | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 13509 | 21-3 | 0720 | Wed | 456 456 456 000 07422 00001 00000 34261               | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 14609 | 21-3 | 0740 | Wed | 456 456 456 000 07422 00001 00000 34261               | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 11409 | 26-3 | 0700 | Mon | 456 456 456 1 06951 00089 73347 ... 17872 40611 33552 | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 13509 | 26-3 | 0720 | Mon | 456 456 456 1 06951 00089 73347 ... 17872 40611 33552 | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 14609 | 26-3 | 0740 | Mon | 456 456 456 1 06951 00089 73347 ... 17872 40611 33552 | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 11409 | 28-3 | 0700 | Wed | 456 456 456 1 06951 00089 73347 ... 17872 40611 33552 | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 13509 | 28-3 | 0720 | Wed | 456 456 456 1 06951 00089 73347 ... 17872 40611 33552 | MFSK-20/10Bd | (AB)              |
| <b>XPA</b>  | 14609 | 28-3 | 0740 | Wed | 456 456 456 1 06951 00089 73347 ... 17872 40611 33552 | MFSK-20/10Bd | (AB)              |
| <b>XPA2</b> | 13431 | 2-3  | 0700 | Fri | 06129 00101 99177 ... 37728 30587 06005               | MFSK-16/20Bd | (AB/HFD)          |
| <b>XPA2</b> | 14631 | 2-3  | 0720 | Fri | 06129 00101 99177 ... 37728 30587 06005               | MFSK-16/20Bd | (AB/HFD)          |
| <b>XPA2</b> | 15931 | 2-3  | 0740 | Fri | 06129 00101 99177 ... 37728 30587 06005               | MFSK-16/20Bd | (AB/HFD)          |
| <b>XPA2</b> | 18667 | 2-3  | 1400 | Fri | 07646 00101 58220 ... 27803 25712 22344               | MFSK-16/20Bd | (AB/MPJ/HFD)      |
| <b>XPA2</b> | 17419 | 2-3  | 1420 | Fri | 07646 00101 58220 ... 27803 25712 22344               | MFSK-16/20Bd | (AB/MPJ/HFD)      |
| <b>XPA2</b> | 16212 | 2-3  | 1440 | Fri | 07646 00101 58220 ... 27803 25712 22344               | MFSK-16/20Bd | (AB/MPJ/HFD)      |
| <b>XPA2</b> | 18667 | 3-3  | 1400 | Sat | 07646 00101 58220 ... 27803 25712 22344               | MFSK-16/20Bd | (AB/MPJ.HFD)      |
| <b>XPA2</b> | 17419 | 3-3  | 1420 | Sat | msg, XPA2r                                            | MFSK-16/20Bd | (HFD)             |
| <b>XPA2</b> | 17419 | 3-3  | 1420 | Sat | 07646 00101 58220 ... 27803 25712 22344               | MFSK-16/20Bd | (AB/MPJ)          |
| <b>XPA2</b> | 16212 | 3-3  | 1440 | Sat | 07646 00101 58220 ... 27803 25712 22344               | MFSK-16/20Bd | (AB/MPJ/HFD)      |
| <b>XPA2</b> | 16138 | 4-3  | 1500 | Sun | 05260 00001 00000 32263                               | MFSK-16/20Bd | (AB/MPJ/RL/HFD)   |
| <b>XPA2</b> | 14438 | 4-3  | 1520 | Sun | 05260 00001 00000 32263                               | MFSK-16/20Bd | (AB/MPJ/MDK2/HFD) |
| <b>XPA2</b> | 13438 | 4-3  | 1540 | Sun | 05260 00001 00000 32263                               | MFSK-16/20Bd | (AB/MPJ/HFD)      |
| <b>XPA2</b> | 13431 | 6-3  | 0700 | Thu | 00212 00129 24971 ... 90831 90092 33547               | MFSK-16/20Bd | (AB)              |
| <b>XPA2</b> | 14631 | 6-3  | 0720 | Thu | 00212 00129 24971 ... 90831 90092 33547               | MFSK-16/20Bd | (AB)              |
| <b>XPA2</b> | 15931 | 6-3  | 0740 | Thu | 00212 00129 24971 ... 90831 90092 33547               | MFSK-16/20Bd | (AB)              |
| <b>XPA2</b> | 16138 | 6-3  | 1500 | Thu | 05790 00071 21239 ... 99870 07238 52201               | MFSK-16/20Bd | (AB/MPJ)          |
| <b>XPA2</b> | 14438 | 6-3  | 1520 | Thu | 05790 00071 21239 ... 99870 07238 52201               | MFSK-16/20Bd | (AB/GHn/MPJ)      |
| <b>XPA2</b> | 13428 | 6-3  | 1540 | Thu | 05790 00071 21239 ... 99870 07238 52201               | MFSK-16/20Bd | (AB/MPJ)          |
| <b>XPA2</b> | 12192 | 7-3  | 0800 | Wed | 05421 00000 00000 33656                               | MFSK-16/20Bd | (AB)              |

|      |       |      |      |     |                                               |              |                 |
|------|-------|------|------|-----|-----------------------------------------------|--------------|-----------------|
| XPA2 | 13892 | 7-3  | 0820 | Wed | 05421 00000 00000 33656                       | MFSK-16/20Bd | (AB)            |
| XPA2 | 14892 | 7-3  | 0840 | Wed | 05421 00000 00000 33656                       | MFSK-16/20Bd | (AB)            |
| XPA2 | 13431 | 9-3  | 0700 | Fri | 00212 00129 24971 ... 90831 90092 33547       | MFSK-16/20Bd | (AB)            |
| XPA2 | 14631 | 9-3  | 0720 | Fri | 00212 00129 24971 ... 90831 90092 33547       | MFSK-16/20Bd | (AB)            |
| XPA2 | 15931 | 9-3  | 0740 | Fri | 00212 00129 24971 ... 90831 90092 33547       | MFSK-16/20Bd | (AB)            |
| XPA2 | 18667 | 9-3  | 1400 | Fri | 03924 00001 00000 37655                       | MFSK-16/20Bd | (AB/MPJ)        |
| XPA2 | 17419 | 9-3  | 1420 | Fri | 03924 00001 00000 37655                       | MFSK-16/20Bd | (AB/MPJ)        |
| XPA2 | 16212 | 9-3  | 1440 | Fri | 03924 00001 00000 37655                       | MFSK-16/20Bd | (AB/MPJ)        |
| XPA2 | 18667 | 10-3 | 1400 | Sat | 06098 00001 00000 35267                       | MFSK-16/20Bd | (AB)            |
| XPA2 | 17419 | 10-3 | 1420 | Sat | 06098 00001 00000 35267                       | MFSK-16/20Bd | (AB)            |
| XPA2 | 16212 | 10-3 | 1440 | Sat | 06098 00001 00000 35267                       | MFSK-16/20Bd | (AB)            |
| XPA2 | 16138 | 11-3 | 1500 | Sun | 05790 00071 21239 ... 99870 07238 52201       | MFSK-16/20Bd | (MPJ)           |
| XPA2 | 14438 | 11-3 | 1520 | Sun | 05790 00071 21239 ... 99870 07238 52201       | MFSK-16/20Bd | (MPJ/RL)        |
| XPA2 | 13438 | 11-3 | 1540 | Sun | 05790 00071 21239 ... 99870 07238 52201       | MFSK-16/20Bd | (MPJ)           |
| XPA2 | 12192 | 12-3 | 0800 | Mon | 00262 00201 74498 ... 77123 62806 77700       | MFSK-16/20Bd | (AB)            |
| XPA2 | 13892 | 12-3 | 0820 | Mon | 00262 00201 74498 ... 77123 62806 77700       | MFSK-16/20Bd | (AB)            |
| XPA2 | 14892 | 12-3 | 0840 | Mon | 00262 00201 74498 ... 77123 62806 77700       | MFSK-16/20Bd | (AB)            |
| XPA2 | 13431 | 13-3 | 0700 | Thu | 06522 00000 00000 33560                       | MFSK-16/20Bd | (AB)            |
| XPA2 | 14631 | 13-3 | 0720 | Thu | 06522 00000 00000 33560                       | MFSK-16/20Bd | (AB)            |
| XPA2 | 15931 | 13-3 | 0740 | Thu | 06522 00000 00000 33560                       | MFSK-16/20Bd | (AB)            |
| XPA2 | 16138 | 13-3 | 1500 | Thu | 05790 00071 21239 ... 99870 07238 52201       | MFSK-16/20Bd | (AB/MPJ/RL)     |
| XPA2 | 14438 | 13-3 | 1520 | Thu | 05790 00071 21239 ... 99870 07238 52201       | MFSK-16/20Bd | (AB/MPJ)        |
| XPA2 | 13428 | 13-3 | 1540 | Thu | 05790 00071 21239 ... 99870 07238 52201       | MFSK-16/20Bd | (AB/MPJ)        |
| XPA2 | 12192 | 14-3 | 0800 | Wed | 00262 00201 74498 ... 77123 62806 77700       | MFSK-16/20Bd | (AB)            |
| XPA2 | 13892 | 14-3 | 0820 | Wed | 00262 00201 74498 ... 77123 62806 77700       | MFSK-16/20Bd | (AB)            |
| XPA2 | 14892 | 14-3 | 0840 | Wed | 00262 00201 74498 ... 77123 62806 77700       | MFSK-16/20Bd | (AB)            |
| XPA2 | 12141 | 14-3 | 0900 | Wed | 09550 00091 34892 ... 65918 06321 71676       | MFSK-16/20Bd | (AB)            |
| XPA2 | 12141 | 14-3 | 0900 | Wed | 09550 00091 34892 ... 65918 06321 71676       | MFSK-16/20Bd | (AB)            |
| XPA2 | 13418 | 14-3 | 0910 | Wed | 09550 00091 34892 ... 65918 06321 71676       | MFSK-16/20Bd | (AB)            |
| XPA2 | 13418 | 14-3 | 0910 | Wed | 09550 00091 34892 ... 65918 06321 71676       | MFSK-16/20Bd | (AB)            |
| XPA2 | 13431 | 16-3 | 0700 | Fri | 03746 00001 00000 37657                       | MFSK-16/20Bd | (AB)            |
| XPA2 | 14631 | 16-3 | 0720 | Fri | 03746 00001 00000 37657                       | MFSK-16/20Bd | (AB)            |
| XPA2 | 15931 | 16-3 | 0740 | Fri | 03746 00001 00000 37657                       | MFSK-16/20Bd | (AB)            |
| XPA2 | 18667 | 16-3 | 1400 | Fri | 00380 00123 42102 06864 ... 79277 18009 27317 | MFSK-16/20Bd | (MPJ)           |
| XPA2 | 17419 | 16-3 | 1420 | Fri | 00380 00123 42102 06864 ... 79277 18009 27317 | MFSK-16/20Bd | (MPJ)           |
| XPA2 | 16212 | 16-3 | 1440 | Fri | 00380 00123 42102 06864 ... 79277 18009 27317 | MFSK-16/20Bd | (MPJ)           |
| XPA2 | 18667 | 17-3 | 1400 | Sat | 00380 00123 42102 ... 79277 18009 27317       | MFSK-16/20Bd | (AB/MPJ)        |
| XPA2 | 17419 | 17-3 | 1420 | Sat | 00380 00123 42102 ... 79277 18009 27317       | MFSK-16/20Bd | (AB/GHn/MPJ/RL) |
| XPA2 | 16212 | 17-3 | 1440 | Sat | 00380 00123 42102 ... 79277 18009 27317       | MFSK-16/20Bd | (AB/MPJ)        |
| XPA2 | 16138 | 18-3 | 1500 | Sun | 02385 00001 00000 34262                       | MFSK-16/20Bd | (AB/MPJ)        |

|      |       |      |      |     |                                         |              |                     |
|------|-------|------|------|-----|-----------------------------------------|--------------|---------------------|
| XPA2 | 14438 | 18-3 | 1520 | Sun | 02385 00001 00000 34262                 | MFSK-16/20Bd | (AB/MPJ/RL)         |
| XPA2 | 13438 | 18-3 | 1540 | Sun | 02385 00001 00000 34262                 | MFSK-16/20Bd | (AB/MPJ)            |
| XPA2 | 12192 | 19-3 | 0800 | Mon | 04793 00001 00000 36265                 | MFSK-16/20Bd | (AB)                |
| XPA2 | 13892 | 19-3 | 0820 | Mon | 04793 00001 00000 36265                 | MFSK-16/20Bd | (AB)                |
| XPA2 | 14892 | 19-3 | 0840 | Mon | 04793 00001 00000 36265                 | MFSK-16/20Bd | (AB)                |
| XPA2 | 13431 | 20-3 | 0700 | Thu | 00474 00141 89046 ... 28706 29105 04511 | MFSK-16/20Bd | (AB)                |
| XPA2 | 14631 | 20-3 | 0720 | Thu | 00474 00141 89046 ... 28706 29105 04511 | MFSK-16/20Bd | (AB)                |
| XPA2 | 15931 | 20-3 | 0740 | Thu | 00474 00141 89046 ... 28706 29105 04511 | MFSK-16/20Bd | (AB)                |
| XPA2 | 16138 | 20-3 | 1500 | Thu | 07397 00123 71578 ... 29855 06828 46102 | MFSK-16/20Bd | (AB-AUT/MPJ)        |
| XPA2 | 14438 | 20-3 | 1520 | Thu | 07397 00123 71578 ... 29855 06828 46102 | MFSK-16/20Bd | (AB-AUT/MPJ)        |
| XPA2 | 13428 | 20-3 | 1540 | Thu | 07397 00123 71578 ... 29855 06828 46102 | MFSK-16/20Bd | (AB-AUT/MPJ)        |
| XPA2 | 12192 | 21-3 | 0800 | Wed | 01231 00001 00000 32654                 | MFSK-16/20Bd | (AB)                |
| XPA2 | 13892 | 21-3 | 0820 | Wed | 01231 00001 00000 32654                 | MFSK-16/20Bd | (AB)                |
| XPA2 | 14892 | 21-3 | 0840 | Wed | 01231 00001 00000 32654                 | MFSK-16/20Bd | (AB)                |
| XPA2 | 13431 | 23-3 | 0700 | Fri | 00474 00141 89046 ... 28706 29105 04511 | MFSK-16/20Bd | (AB)                |
| XPA2 | 14631 | 23-3 | 0720 | Fri | 00474 00141 89046 ... 28706 29105 04511 | MFSK-16/20Bd | (AB)                |
| XPA2 | 15931 | 23-3 | 0740 | Fri | 00474 00141 89046 ... 28706 29105 04511 | MFSK-16/20Bd | (AB)                |
| XPA2 | 18667 | 23-3 | 1400 | Fri | 05781 00001 00000 35265                 | MFSK-16/20Bd | (AB/Dan/RL/MPJ)     |
| XPA2 | 17419 | 23-3 | 1420 | Fri | 05781 00001 00000 35265                 | MFSK-16/20Bd | (AB/GHn/Dan/RL/MPJ) |
| XPA2 | 16212 | 23-3 | 1440 | Fri | 05781 00001 00000 35265                 | MFSK-16/20Bd | (AB/Dan/MPJ)        |
| XPA2 | 18667 | 24-3 | 1400 | Sat | 03955 00001 00000 40260                 | MFSK-16/20Bd | (AB/MPJ)            |
| XPA2 | 17419 | 24-3 | 1420 | Sat | 03955 00001 00000 40260                 | MFSK-16/20Bd | (AB/GHn/MPJ))       |
| XPA2 | 16212 | 24-3 | 1440 | Sat | 03955 00001 00000 40260                 | MFSK-16/20Bd | (AB/MPJ)            |
| XPA2 | 16138 | 25-3 | 1500 | Sun | 07397 00123 71578 ... 29855 06828 46102 | MFSK-16/20Bd | (AB-RUS/Dan)        |
| XPA2 | 14438 | 25-3 | 1520 | Sun | 07397 00123 71578 ... 29855 06828 46102 | MFSK-16/20Bd | (AB/Dan)            |
| XPA2 | 13428 | 25-3 | 1540 | Sun | 07397 00123 71578 ... 29855 06828 46102 | MFSK-16/20Bd | (AB/Dan)            |
| XPA2 | 12192 | 26-3 | 0800 | Mon | 09071 00215 16690 ... 94708 55487 73336 | MFSK-16/20Bd | (AB)                |
| XPA2 | 13892 | 26-3 | 0820 | Mon | 09071 00215 16690 ... 94708 55487 73336 | MFSK-16/20Bd | (AB/HFD)            |
| XPA2 | 14892 | 26-3 | 0840 | Mon | 09071 00215 16690 ... 94708 55487 73336 | MFSK-16/20Bd | (AB)                |
| XPA2 | 13431 | 27-3 | 0700 | Thu | 04881 00000 00000 36254                 | MFSK-16/20Bd | (AB)                |
| XPA2 | 14631 | 27-3 | 0720 | Thu | 04881 00000 00000 36254                 | MFSK-16/20Bd | (AB)                |
| XPA2 | 15931 | 27-3 | 0740 | Thu | 04881 00000 00000 36254                 | MFSK-16/20Bd | (AB)                |
| XPA2 | 16138 | 27-3 | 1500 | Thu | 01026 00001 00000 34253                 | MFSK-16/20Bd | (AB-RUS)            |
| XPA2 | 14438 | 27-3 | 1520 | Thu | 01026 00001 00000 34253                 | MFSK-16/20Bd | (AB-RUS/MPJ)        |
| XPA2 | 13428 | 27-3 | 1540 | Thu | 01026 00001 00000 34253                 | MFSK-16/20Bd | (AB-RUS/MPJ)        |
| XPA2 | 12192 | 28-3 | 0800 | Wed | 09071 00215 16690 ... 94708 55487 73336 | MFSK-16/20Bd | (AB/HFD)            |
| XPA2 | 13892 | 28-3 | 0820 | Wed | 09071 00215 16690 ... 94708 55487 73336 | MFSK-16/20Bd | (AB)                |
| XPA2 | 14892 | 28-3 | 0840 | Wed | 09071 00215 16690 ... 94708 55487 73336 | MFSK-16/20Bd | (AB/HFD)            |
| XPA2 | 13431 | 30-3 | 0700 | Fri | 05017 00001 00000 34556                 | MFSK-16/20Bd | (AB)                |

|             |        |      |      |     |                                         |              |                 |
|-------------|--------|------|------|-----|-----------------------------------------|--------------|-----------------|
| <b>XPA2</b> | 14631  | 30-3 | 0720 | Fri | 05017 00001 00000 34556                 | MFSK-16/20Bd | (AB)            |
| <b>XPA2</b> | 15931  | 30-3 | 0740 | Fri | 05017 00001 00000 34556                 | MFSK-16/20Bd | (AB)            |
| <b>XPA2</b> | 18667  | 30-3 | 1400 | Fri | 00228 00115 97463 ... 13520 66902 72326 | MFSK-16/20Bd | (AB)            |
| <b>XPA2</b> | 17419  | 30-3 | 1420 | Fri | 00228 00115 97463 ... 13520 66902 72326 | MFSK-16/20Bd | (AB)            |
| <b>XPA2</b> | 16212  | 30-3 | 1440 | Fri | 00228 00115 97463 ... 13520 66902 72326 | MFSK-16/20Bd | (AB)            |
| <b>XPA2</b> | 18667  | 31-3 | 1400 | Sat | 00228 00115 97463 ... 13520 66902 72326 | MFSK-16/20Bd | (AB/FT/MPJ)     |
| <b>XPA2</b> | 17419  | 31-3 | 1420 | Sat | 00228 00115 97463 ... 13520 66902 72326 | MFSK-16/20Bd | (AB/GHn/FT/MPJ) |
| <b>XPA2</b> | 16212  | 31-3 | 1440 | Sat | 00228 00115 97463 ... 13520 66902 72326 | MFSK-16/20Bd | (AB/FT/MPJ)     |
| <b>XSL</b>  | 4153   | 7-3  | 1411 | Wed | Japanese Navy a.k.a. Slot Machine       | QPSK 1500Bd  | (AB-CHN)        |
| <b>XSL</b>  | 4231.5 | 7-3  | 1411 | Wed | Japanese Navy a.k.a. Slot Machine       | QPSK 1500Bd  | (AB-CHN)        |
| <b>XSL</b>  | 4291   | 7-3  | 1411 | Wed | Japanese Navy a.k.a. Slot Machine       | QPSK 1500Bd  | (AB-CHN)        |
| <b>XSL</b>  | 6250   | 7-3  | 1411 | Wed | Japanese Navy a.k.a. Slot Machine       | QPSK 1500Bd  | (AB-CHN)        |
| <b>XSL</b>  | 6417   | 7-3  | 1411 | Wed | Japanese Navy a.k.a. Slot Machine       | QPSK 1500Bd  | (AB-CHN)        |
| <b>XSL</b>  | 6445   | 7-3  | 1411 | Wed | Japanese Navy a.k.a. Slot Machine       | QPSK 1500Bd  | (AB-CHN)        |
| <b>XSL</b>  | 8313   | 7-3  | 1411 | Wed | Japanese Navy a.k.a. Slot Machine       | QPSK 1500Bd  | (AB-CHN)        |
| <b>XSL</b>  | 8588   | 7-3  | 1411 | Wed | Japanese Navy a.k.a. Slot Machine       | QPSK 1500Bd  | (AB-CHN)        |
| <b>XSL</b>  | 8703.5 | 7-3  | 1411 | Wed | Japanese Navy a.k.a. Slot Machine       | QPSK 1500Bd  | (AB-CHN)        |

## CONTRIBUTORS

|           |                                       |           |                                                |
|-----------|---------------------------------------|-----------|------------------------------------------------|
| AB        | Ary Boender, Netherlands              | HFD       | Hans-Friedrich Dumrese, Germany                |
| AB-AUT    | Ary Boender via remote rx Austria     | HFD-CHN   | Hans-Friedrich Dumrese via remote rx China     |
| AB-CHN    | Ary Boender via remote rx China       | HFD-HK    | Hans-Friedrich Dumrese via remote rx Hong Kong |
| AB-FIN    | Ary Boender via remote rx Finland     | HFD-J     | Hans-Friedrich Dumrese via remote rx Japan     |
| AB-G      | Ary Boender via remote rx UK          | HFD-POL   | Hans-Friedrich Dumrese via remote rx Poland    |
| AB-GRC    | Ary Boender via remote rx Greece      | HFD-RUS   | Hans-Friedrich Dumrese via remote rx Russia    |
| AB-IRL    | Ary Boender via remote rx in Ireland  | HK        | Hiroyuki Komatsubara, Japan                    |
| AB-ISL    | Ary Boender via remote rx Iceland     | JPL       | JPL, NB, Canada (and various remote rx)        |
| AB-J      | Ary Boender via remote rx Japan       | JPL-CHN   | JPL via remote rx China                        |
| AB-KOR    | Ary Boender via remote rx South Korea | JPL-J     | JPL via remote rx Japan                        |
| AB-NZL    | Ary Boender via remote rx New Zealand | JPL-KOR   | JPL via remote rx South Korea                  |
| AB-POL    | Ary Boender via remote rx Poland      | K5KNT     | K5KNT, USA                                     |
| AB-Sib    | Ary Boender via remote rx Siberia     | Kalv      | Kalvados                                       |
| AB-UKR    | Ary Boender via remote rx Ukraine     | Kris      | Kris, Poland                                   |
| Amano     | Amano, Japan                          | LA6LU     | Geir Laastad, Norway                           |
| AnEur     | Anonymous Europe                      | LA6LU-TWN | Geir Laastad, Taiwan                           |
| Benka     | Benka                                 | LG3       | Looking Glass, Australia                       |
| BW3-D     | Barry Williams via remote rx Germany  | MCO       | Mike Chace-Ortiz, PA, USA                      |
| BW3-J     | Barry Williams via remote rx Japan    | MDK2      | MDK2, USA                                      |
| CM2       | Chris Malboef                         | MPJ       | Jim, SW England                                |
| CM2-KOR   | Chris Malboef via remote rx S. Korea  | MPJ-AUT   | Jim via remote rx Austria                      |
| Dan       | Daniel, Argentina                     | MPJ-HOL   | Jim via remote rx Netherlands                  |
| Danix     | Danix111, Poland                      | MPJ-I     | Jim via remote rx Italy                        |
| Danix-USA | Danix via remote rx USA               | MPJ-RUS   | Jim via remote rx Russia                       |
| DK8OK     | DK8OK Nils Schiffhaur, D              | MPJ-S     | Jim via remote rx Sweden                       |
| EB-D      | Eike Bierwirth, Germany               | PBS       | Peter                                          |
| ES        | Edward Smith, UK                      | Poy       | Poyfull, Japan                                 |
| EW        | Eddy Waters, Australia                | qsr711    | QSR711                                         |
| F5JBR     | F5JBR André, France                   | RL        | Landolpho, Brazil                              |
| F5JBR-J   | F5JBR André via remote rx Japan       | RP-DNK    | Ron Perron via remote rx Denmark               |
| FPE       | fpeconsultant                         | RP-S      | Ron Perron via remote rx Sweden                |
| FT        | Frank Thierry                         | RR2       | Rich Ray, IL, USA                              |
| GHn       | Gary Hagermann, UK                    | WP3       | Wolfgang Palmberger                            |

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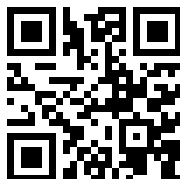
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**HF UNDERGROUND** <http://www.hfunderground.com/board/>  
**PRIYOM** <http://priyom.org/>  
**ENIGMA** <http://www.apul64.dsl.pipex.com/enigma2000/>

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

To become a Spooks member go to <http://mailman.qth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

148 07004 92636 89428 43286 10385 18878 00044 31277  
48 00932 76987 22123 49817 26385 81287 65481 87384 8  
721 75654 55656 12737 72727 72727 91918 63473 67867 2  
723 87629 37677 22612 53498 71296 28756 18276 98716 8  
269 76329 74698 78857 98678 27881 58781 57681 73648 1  
81 87384 87385 96710 27630 12673 84769 28743 9812  
3 63298 75698 27685 87326 49876 28376 81273 98615  
47 07432 74326 78674 29867 32867 67867 86786 8328  
37 68768 68768 34234 34238 88768 62342 48272 88768  
38 98432 32432 86743 43286 43286 43286 43286 43286 4  
768 81743 86743 29867 29867 86743 43286 43286 43286 8  
768 81743 86743 86743 86743 86743 86743 86743 86743 4  
768 98798 98754 98754 98754 98754 29867 67543 67543 8  
48 87698 68876 87698 68876 37612 32341 34867 88798 8  
3298 65656 44754 56123 32143 34321 32143 14321 371  
1757 57767 18080 58765 70587 68765 76587 58756 76

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